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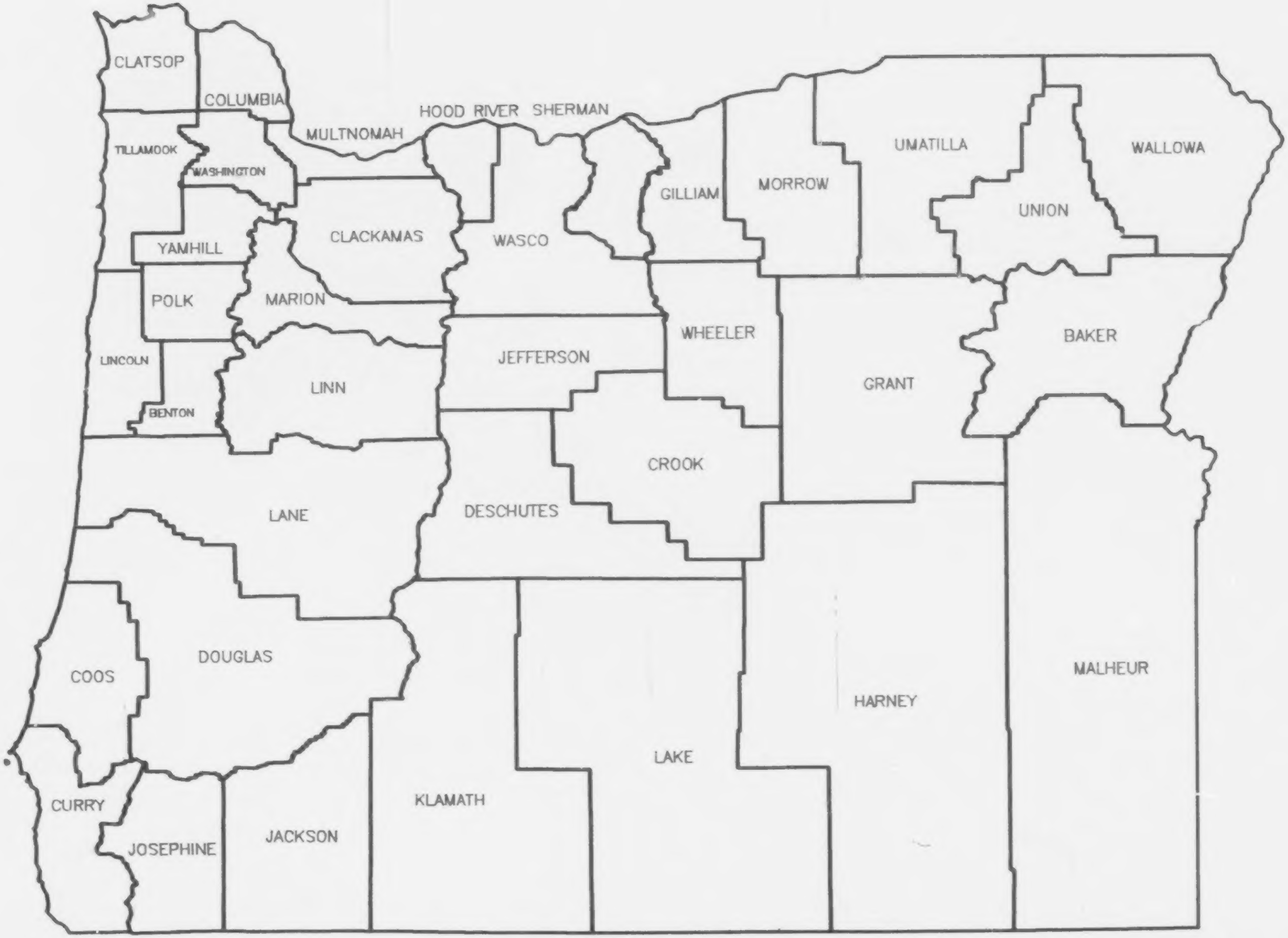
HEALTH
DIVISION
OREGON DEPARTMENT OF HUMAN RESOURCES

OREGON VITAL STATISTICS REPORT 1988

OREGON COUNTIES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Oregon
Vital Statistics
Report

FOR CALENDAR YEAR
1988

Oregon Department of Human Resources
Health Division
Health Status Monitoring
Center for Health Statistics

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December 1989

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Preface

The Oregon Center for Health Statistics' annual report, *Oregon Vital Statistics*, presents data about birth, death, marriage, divorce, and morbidity. Narrative and graphics highlight a number of important demographic and public health issues. Readers can research their own areas of interest by using the data in 78 tables and referring to the section "Technical Notes: How to Use Vital Statistics." While the *Oregon Vital Statistics Report* summarizes annual data, other reports go into more detail on specific issues. (Recent publications are listed on the back inside cover.)

The presentation of data in this book is only the final stage of a long process. The prompt and accurate recording of vital events is a complicated community service which receives little public recognition until an individual finds he or she has need of the records or the information they contain. The registration system serves two purposes. First, these vital documents are collected, kept safe, and made available to individuals and their families when needed for documentation of the events in which they were personally involved. Second, our complex society has a need to know about health and social changes occurring in our state. Vital Statistics has frequently been called "the eyes and ears of public health." In fact, it is the only organized system of health records covering the entire population. The collection is a highly cooperative endeavor in which a great many people play an important part.

PROVIDERS OF SERVICES. The providers of the services associated with vital events are the first people involved in the collection system. The birth attendant is responsible for completing both the legal document and the confidential, statistical section of the birth certificate. The death and fetal death certificate must be filed by the funeral director or person who first assumes responsibility for the body. A physician completes the medical portion of these death certificates, except in the case of found bodies and unnatural deaths, which are certified by the medical examiner. Hospital medical records personnel also play an important role in assuring that all certificates are completed and accurate. These service providers then file the completed certificates with the county registrars in the county where the event occurred. Abortions and communicable diseases are treated differently. The providers of induced abortions file the completed statistical reports (which contain no identifying information) directly with the State Registrar. Physicians report cases of communicable diseases to the Disease Monitoring and Control section of the Health Division.

COUNTY OFFICIALS. The county registrars play an important role in assuring the completion and accuracy of the birth, death, and fetal death registration. They check the certificates against other sources of information to make certain no events are missed. They also follow-up any incomplete items before sending the certificates to the State Registrar at the Center for Health Statistics. The county clerks perform a similar function for marriage and divorce certificates.

CENTER FOR HEALTH STATISTICS. At the state level, the staff of the Center for Health Statistics perform additional completeness and accuracy checks. A field representative makes contacts with providers and county registrars, and clerical staff send letters seeking additional information about causes of death, birthweight, and the status of very small babies. Coders and data entry personnel turn the information into computerized data, while microfilmers store the certificates so that certified copies can be made. The computerized statistical data is then retrieved by programmers, analyzed by researchers, and made available for demographic and public health needs.

OTHER STATES. Events relating to Oregon residents which occurred in another state are included in this report. The Centers for Health Statistics in each U.S. state and the Provinces of Canada have traditionally agreed to send copies of birth, death and fetal death certificates to the state where the individual usually resided. A cooperative agreement is also in place for reports on induced termination of pregnancy (abortion), however, some states collect no resident information on these reports and therefore cannot participate in the exchange. There is no exchange program for marriage and divorce certificates.

Who among all these people is the vital recorder? The answer is—all of them. The invisible person who records the major life events of our population is really many people who have all played important roles in presenting this report.

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SUMMARY OF OREGON'S VITAL EVENTS, 1988

POPULATION	2,741,000	Population increased 1.9 percent.
LIVE BIRTHS	Residents	Number up after a seven year decline.
Number	39,850	Rates increased slightly.
Crude Rate	14.5	
Fertility Rate	61.8	
DEATHS	Residents	Number of deaths increased. Rate
Number	24,557	stays the same.
Rate	9.0	
MARRIAGES	Occurrence	Marriages up in number. Rate
Number	23,405	increased by 2.4 percent.
Rate	8.5	
DIVORCES	Occurrence	Number of divorces decreased.
Number	15,187	Divorce rate decreased by 5.2 percent.
Rate	5.5	
UNWED MOTHERS	Residents	Number of unwed mothers increased 8.3
Number	9,377	percent. Proportion of unwed mothers
Ratio	235.3	to total births highest ever.
LOW BIRTHWEIGHT INFANTS	Residents	Number of low birthweight infants increased. Rate decreased 2.6 percent.
Number	2,096	
Rate	52.6	
INFANT DEATHS	Residents	Number decreased. Rate decreased by
Number	339	18.3 percent.
Rate	8.5	
NEONATAL DEATHS	Residents	Both the number and rate decreased.
Number	181	Rate decreased by 18.2 percent.
Rate	4.5	
MATERNAL DEATHS	Residents	Oregon's average maternal death rate
Number	3	for five years is nearly the same as
Ratio	7.5	the U.S. five-year rate.
INDUCED ABORTIONS	Occurrence	Number of abortions increased after
Number	13,309	three-year decline.
Ratio	334.0	

Crude birth, death, marriage, and divorce rates are per 1,000 population; fertility rate per 1,000 15- to 44-year-old females; unwed mother ratio, low birthweight rate, and infant and neonatal deaths rates, per 1,000 live resident births; maternal death ratio per 100,000 live resident births; induced abortion ratio per 1,000 live occurrence births.

TABLE 1-1. POPULATION, LIVE BIRTHS, BIRTHS TO UNWED MOTHERS, MARRIAGES, DIVORCES, U.S., 1945-1988

YEAR	POPULATION	LIVE BIRTHS		BIRTHS TO UNWED MOTHERS		MARRIAGES		DIVORCES	
		Number	Rate	Number	Ratio	Number	Rate	Number	Rate
1945	132,481,000	2,735,456	20.6	117,400	42.9	1,612,992	12.2	485,000	3.5
1946	140,054,000	3,288,672	23.5	125,200	38.1	2,291,045	16.4	610,000	4.3
1947	143,446.000	3,699,940	25.8	131,900	35.7	1,991,878	13.9	483,000	3.4
1948	146,093,000	3,535,068	24.2	129,700	36.7	1,811,155	12.4	408,000	2.8
1949	148,665,000	3,559,529	23.9	133,200	37.4	1,579,798	10.6	397,000	2.7
1950	150,697,361	3,554,149	23.6	141,600	39.8	1,667,231	11.1	385,144	2.6
1951	153,310,000	3,750,850	24.5	146,500	39.1	1,594,694	10.4	381,000	2.5
1952	155,687,000	3,846,986	24.7	150,300	39.1	1,539,318	9.9	392,000	2.5
1953	158,242,000	3,902,120	24.7	160,800	41.2	1,546,000	9.8	390,000	2.5
1954	161,164,000	4,017,362	24.9	176,600	44.0	1,490,000	9.2	379,000	2.4
1955	164,308,000	4,047,295	24.6	183,300	45.3	1,531,000	9.3	377,000	2.3
1956	167,306,000	4,163,090	24.9	193,500	46.5	1,585,000	9.5	382,000	2.3
1957	170,371,000	4,254,784	25.0	201,700	47.4	1,518,000	8.9	381,000	2.2
1958	173,320,000	4,203,812	24.3	208,700	49.6	1,451,000	8.4	368,000	2.1
1959	176,513,000	4,244,796	24.0	220,600	52.0	1,494,000	8.5	395,000	2.2
1960	179,323,175	4,257,850	23.7	224,300	52.7	1,523,000	8.5	393,000	2.2
1961	183,057,000	4,268,326	23.3	240,200	56.3	1,548,000	8.5	414,000	2.3
1962	185,890,000	4,167,362	22.4	245,000	58.8	1,577,000	8.5	413,000	2.2
1963	188,658,000	4,098,020	21.7	259,400	63.3	1,654,000	8.8	428,000	2.3
1964	191,371,000	4,027,490	21.0	275,700	68.5	1,725,000	9.0	450,000	2.4
1965	193,818,000	3,760,358	19.4	291,200	77.4	1,800,000	9.3	479,000	2.5
1966	195,857,000	3,606,274	18.4	302,400	83.9	1,857,000	9.5	499,000	2.5
1967	197,863,000	3,520,959	17.8	318,100	90.3	1,927,000	9.7	523,000	2.6
1968	199,861,000	3,501,564	17.6	339,200	96.9	2,069,000	10.4	584,000	2.9
1969	201,921,000	3,600,206	17.9	360,800	100.2	2,145,000	10.6	639,000	3.2
1970	203,211,926	3,731,368	18.4	398,700	106.9	2,158,802	10.6	708,000	3.5
1971	206,212,000	3,555,970	17.2	401,400	112.9	2,190,481	10.6	773,000	3.7
1972	209,284,000	3,258,411	15.6	403,200	123.7	2,282,154	10.9	845,000	4.0
1973	211,357,000	3,136,965	14.8	407,300	129.8	2,284,108	10.8	915,000	4.3
1974	213,342,000	3,159,958	14.8	418,100	132.3	2,229,667	10.5	977,000	4.6
1975	215,465,000	3,144,198	14.6	447,900	142.5	2,152,662	10.0	1,036,000	4.8
1976	217,563,000	3,167,788	14.6	468,100	147.8	2,154,807	9.9	1,083,000	5.0
1977	219,760,000	3,326,632	15.1	515,700	155.0	2,178,367	9.9	1,091,000	5.0
1978	222,095,000	3,333,279	15.0	543,900	163.2	2,282,272	10.3	1,130,000	5.1
1979	224,567,000	3,494,398	15.6	597,800	171.1	2,331,337	10.1	1,181,000	5.3
1980	226,504,825	3,612,258	15.9	665,747	184.3	2,390,252	10.6	1,189,000	5.2
1981	230,339,000	3,629,238	15.8	686,605	189.2	2,422,145	10.6	1,213,000	5.3
1982	231,500,000	3,680,537	15.9	715,277	194.3	2,456,278	10.6	1,170,000	5.0
1983	234,538,000	3,638,933	15.5	737,893	202.8	2,445,604	10.5	1,179,000	5.0
1984	236,681,000	3,669,141	15.5	770,355	210.0	2,477,192	10.5	1,169,000	4.9

TABLE 1-1. POPULATION, LIVE BIRTHS, BIRTHS TO UNWED MOTHERS, MARRIAGES, DIVORCES, U.S., 1945-1988 (Continued)

YEAR	POPULATION	LIVE BIRTHS		BIRTHS TO UNWED MOTHERS		MARRIAGES		DIVORCES	
		Number	Rate	Number	Ratio	Number	Rate	Number	Rate
1985	239,400,000	3,760,561	15.8	828,174	220.2	2,425,000	10.2	1,187,000	5.0
1986	241,100,000	3,756,547	15.6	878,477	233.9	2,400,000	10.0	1,159,000	4.8
1987*	243,400,000	3,829,000	15.7	933,013	243.7	2,421,000	9.9	1,157,000	4.8
1988*	245,807,000	3,913,000	15.9	---	---	2,389,000	9.7	1,183,000	4.8

Rate per 1,000 population for live births, marriages and divorces.

Ratio per 1,000 live births for births to unwed mothers.

* Provisional data.

FIGURE 1-1.

LIVE BIRTH RATES, OREGON AND THE U.S., 1945-1988

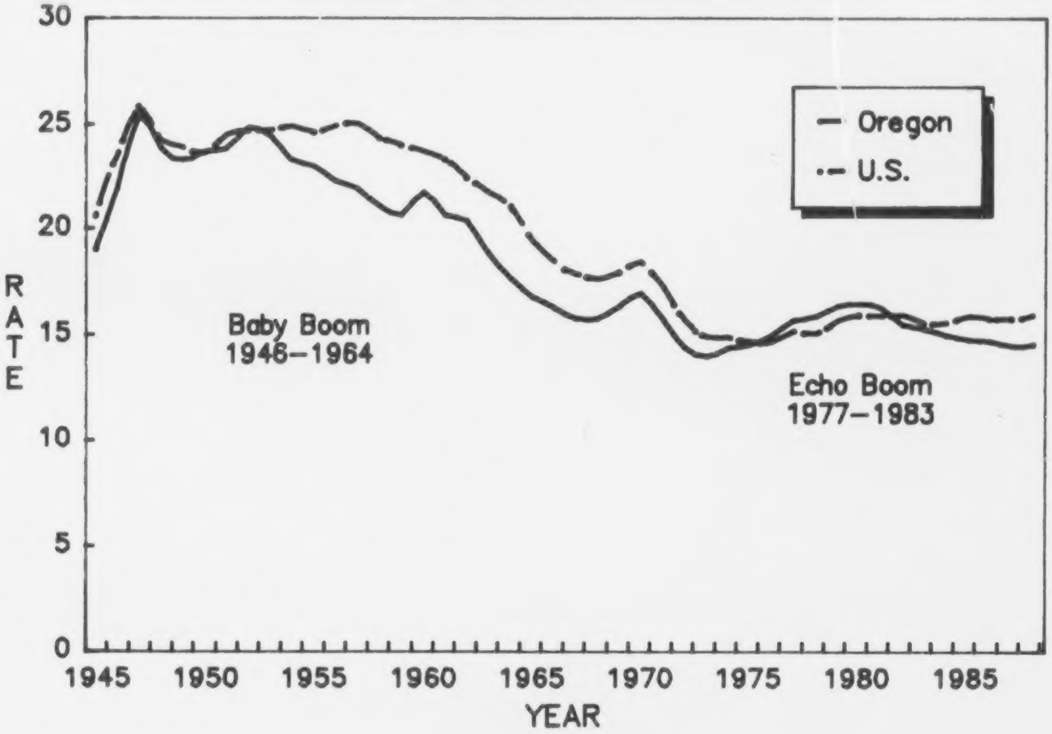

TABLE 1-2. DEATHS, MATERNAL DEATHS, INFANT DEATHS, NEONATAL DEATHS, FETAL DEATHS, U.S., 1945-1988

YEAR	DEATHS		MATERNAL DEATHS		INFANT DEATHS		NEONATAL DEATHS		FETAL DEATHS	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1945	1,401,719	10.6	5,668	207.2	104,684	38.3	66,593	24.3	65,513	23.9
1946	1,395,617	10.0	5,153	156.7	111,063	33.8	79,079	24.0	74,849	22.8
1947	1,445,370	10.1	4,978	134.5	119,173	32.2	84,296	22.8	77,917	21.1
1948	1,444,337	9.9	4,122	116.6	113,169	32.0	78,426	22.2	72,838	20.6
1949	1,443,607	9.7	3,216	90.3	111,531	31.3	76,326	21.4	70,584	19.8
1950	1,452,454	9.6	2,960	83.3	103,825	29.2	72,855	20.5	68,262	19.2
1951	1,482,099	9.7	2,812	75.0	106,702	28.4	75,192	20.0	70,569	18.8
1952	1,496,838	9.6	2,610	67.8	109,413	28.4	76,253	19.8	70,447	18.3
1953	1,517,541	9.6	2,385	61.1	108,405	27.8	76,332	19.6	69,393	17.8
1954	1,481,091	9.2	2,105	52.4	106,791	26.6	76,724	19.1	70,109	17.5
1955	1,528,717	9.3	1,901	47.0	106,903	26.4	77,351	19.1	69,153	17.1
1956	1,564,476	9.4	1,702	40.9	108,183	26.0	78,659	18.9	68,659	16.5
1957	1,633,128	9.6	1,746	41.0	112,094	26.3	81,088	19.1	69,561	16.3
1958	1,647,886	9.5	1,581	37.6	113,789	27.1	81,798	19.5	69,355	16.5
1959	1,656,814	9.4	1,588	37.4	112,008	26.4	80,778	19.0	68,613	16.2
1960	1,711,982	9.5	1,579	37.1	110,873	26.0	79,733	18.7	68,480	16.1
1961	1,701,522	9.3	1,573	36.9	107,956	25.3	78,482	18.4	68,767	16.1
1962	1,756,720	9.5	1,465	35.2	105,479	25.3	76,346	18.3	66,421	15.9
1963	1,813,549	9.6	1,466	35.8	103,390	25.2	74,648	18.2	64,640	15.8
1964	1,798,051	9.4	1,343	33.3	99,783	24.8	72,026	17.9	65,931	16.4
1965	1,828,136	9.4	1,189	31.6	92,866	24.7	66,419	17.7	60,859	16.2
1966	1,863,149	9.5	1,049	29.1	85,516	23.7	61,941	17.2	56,637	15.7
1967	1,851,323	9.4	987	28.0	79,028	22.4	58,127	16.5	54,934	15.6
1968	1,930,082	9.7	859	24.5	76,263	21.8	56,456	16.1	55,293	15.8
1969	1,921,990	9.5	801	22.2	75,073	20.9	56,085	15.6	50,749	14.1
1970	1,921,031	9.5	803	21.5	74,667	20.0	56,279	15.1	52,961	14.2
1971	1,927,542	9.3	668	18.8	67,981	19.1	50,496	14.2	47,818	13.4
1972	1,963,944	9.4	612	18.8	60,182	18.5	44,432	13.6	41,380	12.7
1973	1,973,003	9.3	477	15.2	55,581	17.7	40,664	13.0	38,309	12.2
1974	1,934,388	9.1	462	14.6	52,776	16.7	38,738	12.3	36,281	11.5
1975	1,892,879	8.8	403	12.8	50,525	16.1	36,416	11.6	33,796	10.7
1976	1,909,440	8.8	390	12.3	48,265	15.2	34,587	10.9	33,111	10.8
1977	1,899,597	8.6	373	11.2	46,975	14.1	32,860	9.9	33,052	9.9
1978	1,927,788	8.7	321	9.6	45,945	13.8	31,618	9.5	32,301	9.7
1979	1,913,841	8.5	336	9.6	45,665	13.1	30,980	8.9	32,969	9.4
1980	1,989,841	8.8	334	9.2	45,526	12.6	30,618	8.5	33,353*	9.2*
1981	1,977,981	8.6	309	8.5	43,305	11.9	28,000	7.8	32,596*	9.0*
1982	1,974,797	8.5	292	7.9	42,401	11.5	28,000	7.6	32,694*	8.9*
1983	2,019,201	8.6	290	8.0	40,627	11.2	26,507	7.3	30,752*	8.5*
1984	2,039,369	8.6	285	7.8	39,580	10.8	25,691	7.0	30,099*	8.2*

TABLE 1-2. DEATHS, MATERNAL DEATHS, INFANT DEATHS, NEONATAL DEATHS, FETAL DEATHS, U.S., 1945-1988 (Continued)

YEAR	DEATHS		MATERNAL DEATHS		INFANT DEATHS		NEONATAL DEATHS		FETAL DEATHS	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1985	2,084,000	8.7	295	7.8	40,030	10.6	26,179	7.0	29,661	7.9
1986	2,105,361	8.7	272	7.2	38,891	10.4	25,212	6.7	28,972	7.7
1987*	2,127,000	8.7	240	6.3	38,380	10.0	24,940	6.5	---	---
1988*	2,171,000	8.8	300	13.8	38,700	9.9	24,620	6.3	---	---

Rate per 1,000 population for deaths.
Rate per 1,000 live births for infant, neonatal and fetal deaths.
Rate per 100,000 live births for maternal deaths.
* Provisional data.

FIGURE 1-2.

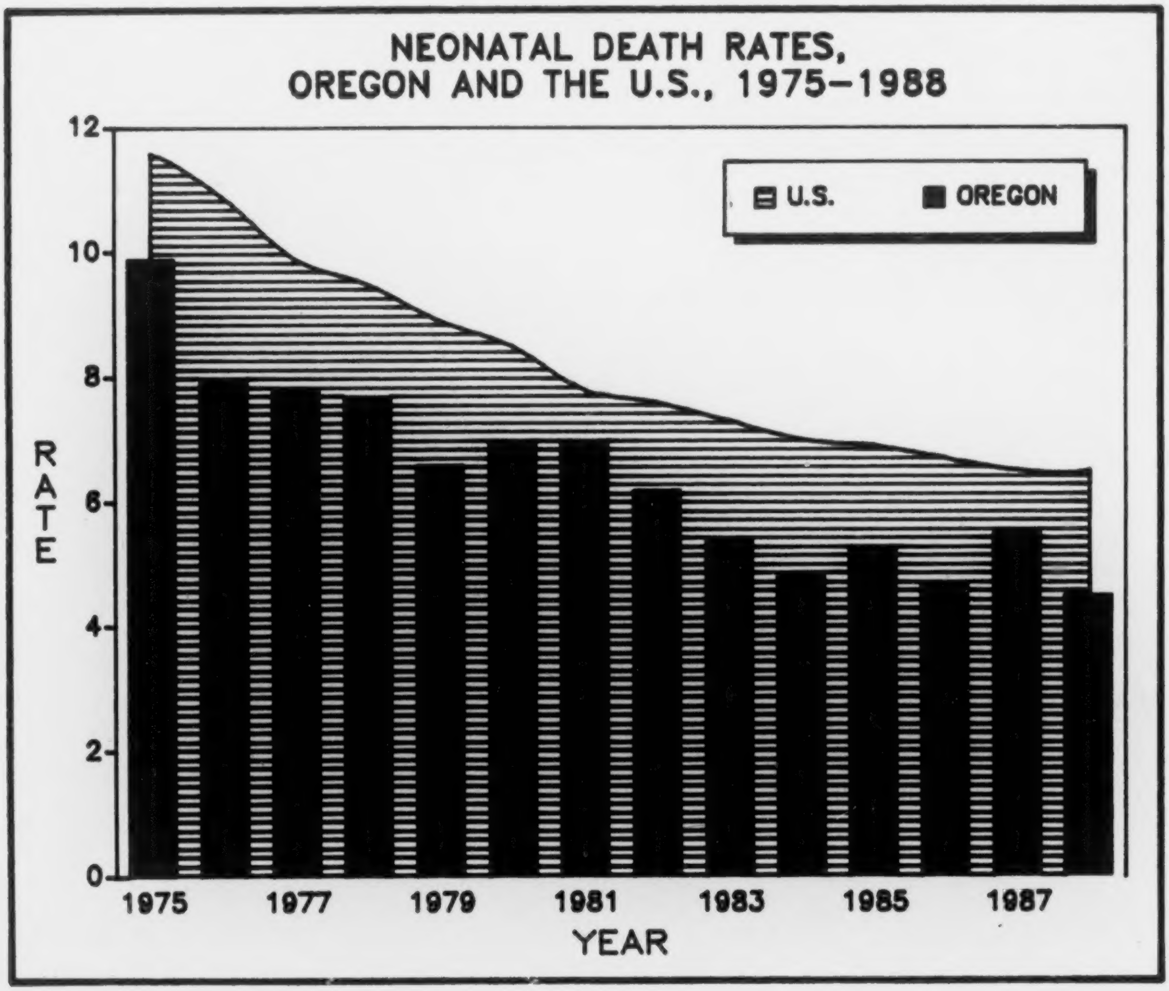

TABLE 1-3. POPULATION, LIVE BIRTHS, BIRTHS TO UNWED MOTHERS, MARRIAGES, DIVORCES, OREGON, 1908-1988

YEAR	POPULATION	LIVE BIRTHS		BIRTHS TO UNWED MOTHERS		MARRIAGES		DIVORCES	
		Number	Rate	Number	Ratio	Number	Rate	Number	Rate
1908	621,109	8,322	13.3	---	---	---	---	---	---
1909	647,055	8,656	13.3	---	---	4,863	7.5	---	---
1910	673,002	9,176	13.6	---	---	5,541	8.2	---	---
1911	684,847	9,562	13.8	---	---	6,846	9.9	---	---
1912	696,692	11,189	16.0	---	---	6,613	9.4	---	---
1913	708,537	11,033	15.5	---	---	5,382	7.5	---	---
1914	720,382	11,624	16.1	---	---	5,170	7.1	---	---
1915	732,226	12,232	16.7	---	---	4,983	6.8	---	---
1916	744,071	12,960	17.4	---	---	5,396	7.2	---	---
1917	755,916	13,147	17.4	---	---	6,196	8.2	---	---
1918	767,761	13,295	17.3	---	---	5,281	6.9	---	---
1919	779,606	13,638	17.5	---	---	6,605	8.5	---	---
1920	791,701	14,954	18.8	---	---	7,557	9.5	---	---
1921	808,325	15,607	19.3	---	---	7,643	9.4	---	---
1922	824,949	15,087	18.3	---	---	6,691	8.1	---	---
1923	841,573	14,992	17.8	---	---	7,151	8.4	---	---
1924	858,197	15,818	18.4	---	---	6,937	8.1	---	---
1925	874,800	15,579	17.8	---	---	6,999	8.0	---	---
1926	891,400	14,929	16.7	---	---	7,160	8.0	3,128	3.5
1927	908,100	14,637	16.1	---	---	7,392	8.1	3,149	3.5
1928	924,700	14,159	15.3	---	---	7,625	8.2	3,090	3.3
1929	941,300	13,244	14.1	---	---	8,243	8.7	3,197	3.4
1930	958,450	13,473	14.1	---	---	7,678	8.0	2,825	2.9
1931	967,200	13,227	13.7	---	---	7,346	7.6	2,417	2.5
1932	980,600	12,845	13.1	---	---	6,668	6.8	1,728	1.8
1933	994,000	12,228	12.3	---	---	5,715	5.7	1,844	1.9
1934	1,007,400	13,071	13.0	---	---	6,237	6.2	2,248	2.2
1935	1,020,800	13,143	12.9	---	---	6,795	6.7	2,304	2.3
1936	1,034,100	14,119	13.7	---	---	7,433	7.2	2,578	2.5
1937	1,047,500	15,495	14.8	---	---	7,602	7.3	2,718	2.6
1938	1,061,000	16,333	15.4	---	---	6,734	6.3	3,162	3.0
1939	1,074,000	16,727	15.6	---	---	4,902	4.6	3,422	3.2
1940	1,093,000	17,522	16.0	237	13.5	5,998	5.5	3,543	3.2
1941	1,107,000	18,784	17.0	229	12.2	7,445	6.7	4,122	3.7
1942	1,148,500	22,283	19.4	247	11.1	8,768	7.6	4,725	4.1
1943	1,167,200	25,380	21.7	328	12.9	9,272	7.9	5,643	4.8
1944	1,221,000	23,444	19.2	407	17.4	8,675	7.1	6,619	5.4

TABLE 1-3. POPULATION, LIVE BIRTHS, BIRTHS TO UNWED MOTHERS, MARRIAGES, DIVORCES, OREGON, 1908-1988 (Continued)

YEAR	POPULATION	LIVE BIRTHS		BIRTHS TO UNWED MOTHERS		MARRIAGES		DIVORCES	
		Number	Rate	Number	Ratio	Number	Rate	Number	Rate
1945	1,227,200	23,339	19.0	504	21.6	9,764	8.0	7,949	6.5
1946	1,347,900	29,566	21.9	517	17.5	14,674	10.9	10,241	7.6
1947	1,423,300	36,190	25.4	608	16.8	12,881	9.1	6,707	4.7
1948	1,470,800	34,937	23.8	575	16.5	12,373	8.4	6,405	4.4
1949	1,511,200	35,062	23.2	502	14.3	10,746	7.1	6,274	4.2
1950	1,521,341	35,991	23.7	667	18.5	11,300	7.4	5,943	3.9
1951	1,568,000	37,317	23.8	623	16.7	10,118	6.5	6,133	3.9
1952	1,602,100	39,752	24.8	780	19.6	9,998	6.2	6,311	3.9
1953	1,636,800	39,866	24.4	772	19.4	10,502	6.4	6,373	3.9
1954	1,662,680	38,550	23.2	909	23.6	9,567	5.8	6,130	3.7
1955	1,690,840	38,678	22.9	880	22.8	10,632	6.3	6,158	3.6
1956	1,734,650	38,432	22.2	958	24.9	10,568	6.1	5,827	3.4
1957	1,737,470	37,828	21.8	1,088	28.8	9,961	5.7	5,261	3.0
1958	1,728,550	36,295	21.0	1,091	30.1	9,896	5.7	5,452	3.2
1959	1,777,000	36,634	20.6	1,217	33.2	10,166	5.7	6,009	3.4
1960	1,768,687	38,347	21.7	1,250	32.6	10,590	6.0	5,711	3.2
1961	1,816,345	37,475	20.6	1,433	38.2	10,798	5.9	6,023	3.3
1962	1,825,138	36,983	20.3	1,499	40.5	11,122	6.1	6,074	3.3
1963	1,856,190	34,863	18.8	1,708	49.0	11,786	6.3	6,180	3.3
1964	1,906,000	33,500	17.6	1,754	52.4	12,297	6.5	6,486	3.4
1965	1,972,150	32,955	16.7	2,094	63.5	13,252	6.7	6,219	3.2
1966	1,999,780	32,446	16.2	2,330	71.8	13,981	7.0	6,764	3.4
1967	2,006,360	31,446	15.7	2,478	78.8	14,401	7.2	7,603	3.8
1968	2,050,900	32,136	15.7	2,831	88.1	16,125	7.9	8,258	4.0
1969	2,081,640	33,834	16.3	3,000	88.7	16,874	8.1	8,643	4.2
1970	2,091,385	35,353	16.9	2,912	82.4	17,302	8.3	9,583	4.6
1971	2,143,010	33,344	15.6	2,603	78.1	18,100	8.4	10,687	5.0
1972	2,183,270	31,308	14.3	2,552	81.5	19,265	8.8	11,706	5.4
1973	2,224,900	30,902	13.9	2,599	84.1	19,661	8.8	12,382	5.6
1974	2,266,000	32,506	14.3	2,984	91.8	20,002	8.8	13,538	6.0
1975	2,299,000	33,352	14.5	3,382	101.4	19,322	8.4	15,526	6.8
1976	2,341,750	34,840	14.9	3,825	109.8	19,182	8.2	16,070	6.9
1977	2,396,100	37,467	15.6	4,596	122.7	20,303	8.5	16,372	6.8
1978	2,472,000	38,964	15.8	5,279	135.5	21,055	8.5	16,965	6.9
1979	2,544,000	41,564	16.3	5,599	134.7	22,063	8.7	17,584	6.9

TABLE 1-3. POPULATION, LIVE BIRTHS, BIRTHS TO UNWED MOTHERS, MARRIAGES, DIVORCES, OREGON, 1908-1988 (Continued)

YEAR	POPULATION	LIVE BIRTHS		BIRTHS TO UNWED MOTHERS		MARRIAGES		DIVORCES	
		Number	Rate	Number	Ratio	Number	Rate	Number	Rate
1980	2,633,105	43,091	16.4	6,360	147.6	23,004	8.7	17,762	6.7
1981	2,660,435	42,974	16.2	6,384	148.6	22,904	8.6	17,697	6.7
1982	2,656,185	41,012	15.4	6,484	158.1	24,186	9.1	16,792	6.3
1983	2,634,993	39,949	15.2	6,467	161.0	23,346	8.9	16,173	6.1
1984	2,660,000	39,536	14.9	6,861	173.5	23,074	8.7	15,631	5.9
1985	2,675,800	39,419	14.7	7,385	187.3	22,408	8.4	15,736	5.9
1986	2,659,500	38,850	14.6	7,999	205.9	22,015	8.3	15,774	5.9
1987	2,690,000	38,674	14.4	8,659	223.9	22,301	8.3	15,602	5.8
1988	2,741,000	39,850	14.5	9,377	235.3	23,405	8.5	15,187	5.5

Rate per 1,000 population for live births, marriages and divorces.
Ratio per 1,000 live births for births to unwed mothers.

FIGURE 1-3.

DIVORCE TO MARRIAGE RATIO, OREGON AND THE U.S., 1975-1988

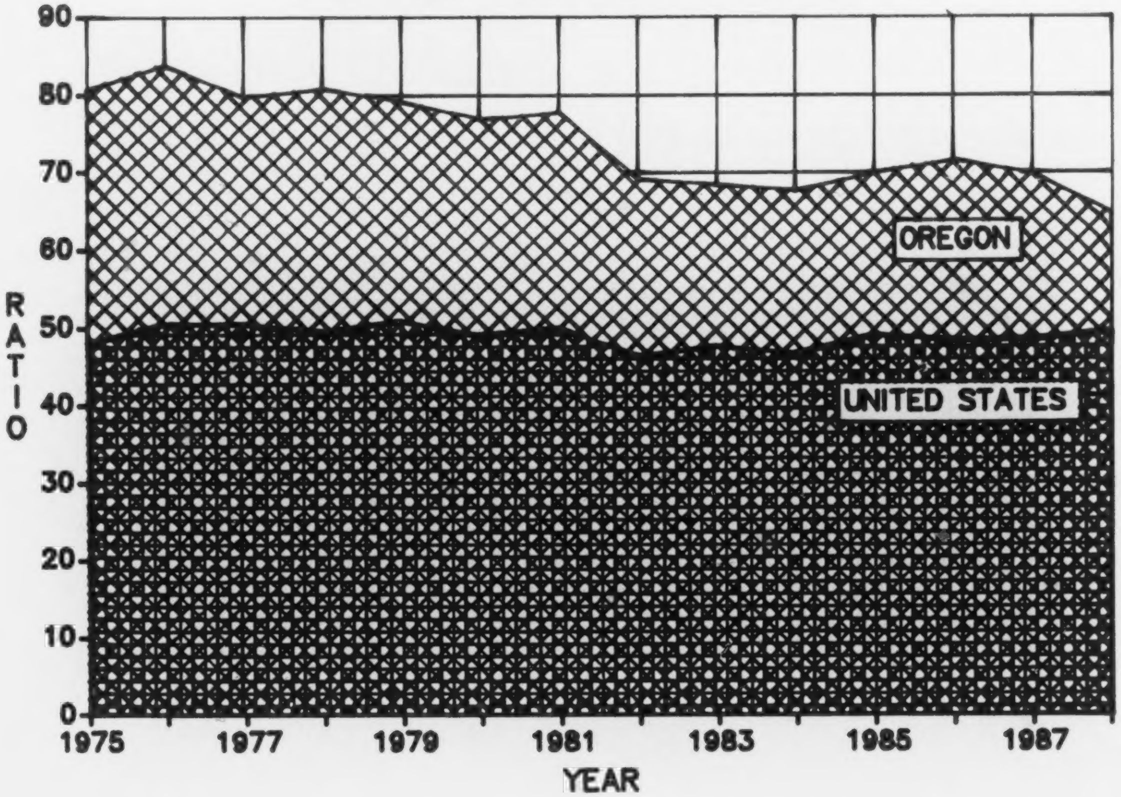

TABLE 1-4. DEATHS, MATERNAL DEATHS, INFANT DEATHS, NEONATAL DEATHS, FETAL DEATHS, OREGON, 1908-1988

YEAR	DEATHS		MATERNAL DEATHS		INFANT DEATHS		NEONATAL DEATHS		FETAL DEATHS	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1908	4,970	8.0	59	709.0	676	81.2	---	---	---	---
1909	5,470	8.4	70	808.7	756	80.7	---	---	---	---
1910	6,089	9.0	91	991.7	733	79.9	---	---	---	---
1911	6,360	9.2	91	951.7	753	78.7	---	---	---	---
1912	5,898	8.4	63	563.1	653	58.6	---	---	---	---
1913	6,714	9.4	60	543.8	684	61.9	---	---	---	---
1914	6,446	8.9	72	619.4	577	49.6	---	---	---	---
1915	6,718	9.1	74	605.0	583	47.6	---	---	---	---
1916	7,107	9.5	88	679.0	725	55.9	---	---	---	---
1917	7,349	9.7	87	661.7	837	63.6	---	---	---	---
1918	9,842	12.8	106	797.3	907	68.2	---	---	---	---
1919	8,881	11.4	101	740.6	845	61.9	---	---	---	---
1920	9,186	11.6	112	749.0	927	61.9	---	---	---	---
1921	8,324	10.2	117	749.7	791	50.6	---	---	---	---
1922	9,381	11.3	115	762.2	886	58.7	---	---	---	---
1923	8,983	10.6	103	687.0	853	56.9	---	---	---	---
1924	9,511	11.1	94	594.3	834	52.7	---	---	---	---
1925	9,596	10.9	95	609.8	787	50.5	---	---	---	---
1926	9,885	11.1	85	569.4	769	51.5	---	---	---	---
1927	10,222	11.2	91	621.7	693	47.3	---	---	---	---
1928	10,493	11.3	86	607.4	651	46.0	---	---	410	29.0
1929	10,680	11.3	75	566.3	633	47.7	---	---	415	31.4
1930	10,544	11.0	81	601.2	671	49.8	---	---	390	28.9
1931	10,245	10.6	61	461.2	578	43.7	---	---	360	27.2
1932	10,272	10.5	64	498.2	530	41.3	---	---	322	25.1
1933	10,450	10.5	64	523.4	493	40.3	---	---	329	26.9
1934	10,539	10.5	79	604.4	519	39.7	---	---	320	24.5
1935	11,429	11.2	72	547.8	537	40.8	---	---	300	22.8
1936	12,434	12.0	77	545.4	626	44.3	409	29.0	300	21.5
1937	12,369	11.8	56	361.4	649	41.9	415	26.8	340	22.4
1938	11,777	11.1	53	324.5	631	38.6	418	25.6	353	21.6
1939	11,779	11.0	43	257.1	580	34.7	381	22.8	322	19.3
1940	12,329	11.3	45	256.8	592	33.2	413	23.6	365	20.8
1941	12,123	10.9	43	228.9	589	30.7	397	20.9	333	17.7
1942	12,520	10.9	37	166.0	669	30.0	456	20.4	362	16.2
1943	13,440	11.5	37	145.8	776	30.6	466	18.4		
1944	12,580	10.3	41	147.9	706	30.1	504	21.5	454	19.4

TABLE 1-4. DEATHS, MATERNAL DEATHS, INFANT DEATHS, NEONATAL DEATHS, FETAL DEATHS, OREGON, 1908-1988 (Continued)

YEAR	DEATHS		MATERNAL DEATHS		INFANT DEATHS		NEONATAL DEATHS		FETAL DEATHS	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1945	12,325	10.0	29	124.3	660	28.3	473	20.3	402	17.2
1946	12,828	9.5	28	94.7	803	27.2	594	20.1	515	17.4
1947	13,460	9.5	35	96.7	896	24.8	645	17.8	562	15.5
1948	13,872	9.4	15	42.9	892	25.5	671	19.2	508	14.5
1949	13,698	9.1	20	57.0	862	24.6	661	18.9	488	13.9
1950	13,888	9.1	22	61.1	816	22.7	627	17.4	493	13.7
1951	14,489	9.2	5	13.4	883	23.7	637	17.1	498	13.3
1952	14,438	9.0	11	27.7	951	23.9	696	17.5	500	12.6
1953	14,598	8.9	15	37.6	938	23.5	680	17.1	524	13.1
1954	14,665	8.8	9	23.3	868	22.5	632	16.4	512	13.3
1955	15,303	9.1	8	20.7	934	24.1	681	17.6	497	12.8
1956	15,328	8.8	11	28.6	887	23.1	645	16.8	504	13.1
1957	15,633	9.0	8	21.1	828	21.9	587	15.5	499	13.2
1958	15,449	8.9	6	16.5	844	23.3	597	16.4	448	12.3
1959	16,699	9.4	9	24.6	927	25.3	664	18.1	469	12.8
1960	16,787	9.5	14	36.5	891	23.2	635	16.6	493	12.9
1961	16,885	9.3	8	21.3	861	23.0	604	16.1	454	16.1
1962	17,221	9.4	7	18.9	811	21.9	554	15.0	461	12.5
1963	18,017	9.7	7	20.1	747	21.4	551	15.8	410	11.8
1964	18,138	9.5	4	11.9	754	22.5	532	15.9	402	12.0
1965	18,133	9.2	1	3.0	696	21.1	477	14.5	421	12.8
1966	18,979	9.5	3	9.2	697	21.5	506	15.6	387	11.9
1967	18,908	9.4	4	12.7	616	19.6	436	13.9	395	12.6
1968	19,017	9.3	3	9.3	637	19.8	460	14.3	365	11.4
1969	19,548	9.4	4	11.8	592	17.5	410	12.1	194	1/
1970	19,530	9.3	5	14.1	555	15.7	381	10.8	486	13.7
1971	20,087	9.4	5	15.0	615	18.4	416	12.5	408	12.2
1972	20,216	9.3	5	16.0	528	16.9	359	11.5	391	12.5
1973	20,881	9.4	1	3.2	466	15.1	329	10.6	312	10.1
1974	20,320	9.0	3	9.2	488	15.0	330	10.2	266	8.2
1975	20,142	8.8	3	9.0	502	15.1	330	9.9	284	8.5
1976	20,459	8.7	-	-	444	12.7	277	8.0	280	8.0
1977	20,457	8.5	5	13.3	453	12.1	293	7.8	283	7.6
1978	20,870	8.4	2	5.1	502	12.9	299	7.7	302	7.8
1979	21,024	8.3	1	2.4	450	10.8	276	6.6	307	7.4

1\ Incomplete total

TABLE 1-4. DEATHS, MATERNAL DEATHS, INFANT DEATHS, NEONATAL DEATHS, FETAL DEATHS, OREGON, 1908-1988 (Continued)

YEAR	DEATHS		MATERNAL DEATHS		INFANT DEATHS		NEONATAL DEATHS		FETAL DEATHS	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1980	21,756	8.3	1	2.3	521	12.1	303	7.0	294	6.8
1981	21,798	8.2	3	7.0	466	10.8	299	7.0	298	6.9
1982	21,594	8.1	8	19.5	433	10.6	253	6.2	253	6.2
1983	22,361	8.5	6	15.0	385	9.6	215	5.4	268	6.7
1984	23,101	8.7	4	10.1	388	9.8	190	4.8	257	6.5
1985	23,824	8.9	4	10.1	387	9.8	211	5.3	237	6.0
1986	23,328	8.8	4	10.3	368	9.5	183	4.7	268	6.9
1987	24,181	9.0	2	5.2	402	10.4	213	5.5	222	5.7
1988	24,557	9.0	3	7.5	339	8.5	181	4.5	235	5.9

Rate per 1,000 population for deaths.
Rate per 1,000 live births for infant, neonatal, and fetal deaths.
Rate per 100,000 live births for maternal deaths.

TABLE 1-5 POPULATION, LIVE BIRTHS, BIRTHS TO UNWED MOTHERS BY COUNTY OF RESIDENCE. MARRIAGES, DISSOLUTION OF MARRIAGES, BY COUNTY OF OCCURRENCE, OREGON, 1988

COUNTY	ESTIMATED POPULATION 7/1/88	LIVE BIRTHS		BIRTHS TO UNWED MOTHERS		MARRIAGES		DISSOLUTION OF MARRIAGES	
		NUMBER	RATE	NUMBER	RATIO	NUMBER	RATE	NUMBER	RATE
TOTAL	2,741,000	39,850	14.5	9,377	235.3	23,405	8.5	15,187	5.5
BAKER	15,150	185	12.2	37	200.0	116	7.7	74	4.9
BENTON	70,100	864	12.3	122	141.2	506	7.2	311	4.4
CLACKAMAS	262,200	3,573	13.6	602	168.5	2,024	7.7	1,071	4.1
CLATSOP	34,000	421	12.4	93	220.9	371	10.9	187	5.5
COLUMBIA	36,800	491	13.3	96	195.5	282	7.7	378	10.3
COOS	58,800	775	13.2	214	276.1	591	10.2	402	6.8
CROOK	13,300	216	16.2	44	203.7	114	8.6	87	6.5
CURRY	18,400	217	11.8	38	175.1	171	9.3	95	5.2
DESCHUTES	68,700	980	14.3	206	210.2	631	9.2	385	5.6
DOUGLAS	93,000	1,278	13.7	313	244.9	851	9.2	464	5.0
GILLIAM	1,850	15	8.1	3	200.0	12	6.5	37	20.0
GRANT	8,350	97	11.6	16	164.9	63	7.5	67	8.0
HARNEY	7,400	117	15.8	20	170.9	55	7.4	47	6.4
HOOD RIVER	16,500	281	17.0	58	206.4	197	11.9	889	53.9
JACKSON	143,400	1,910	13.3	486	254.5	1,259	8.8	869	6.1
JEFFERSON	11,900	297	25.0	96	323.2	103	8.7	50	4.2
JOSEPHINE	64,000	840	13.1	234	278.6	493	7.7	395	6.2
KLAMATH	57,300	822	14.3	239	290.8	429	7.5	355	6.2
LAKE	7,300	107	14.7	26	243.0	52	7.1	48	6.6
LANE	273,700	3,815	13.9	912	239.1	2,415	8.8	1,654	6.0
LINCOLN	38,800	478	12.3	116	242.7	533	13.7	153	3.9
LINN	88,800	1,313	14.8	333	253.6	776	8.7	553	6.2
MALHEUR	26,400	456	17.3	95	208.3	187	7.1	106	4.0
MARION	219,000	3,430	15.7	903	263.3	2,045	9.3	851	3.9
MORROW	7,800	99	12.7	29	292.9	54	6.9	35	4.5
MULTNOMAH	570,500	8,911	15.6	2,583	289.9	5,353	9.4	2,694	4.7
POLK	47,300	624	13.2	151	242.0	273	5.8	558	11.8
SHERMAN	2,000	22	11.0	4	181.8	12	6.0	6	3.0
TILLAMOOK	21,400	247	11.5	71	287.4	196	9.2	152	7.1
UMATILLA	57,600	814	14.1	229	281.3	387	6.7	320	5.6
UNION	23,300	316	13.6	59	186.7	210	9.0	68	2.9
WALLOWA	7,200	89	12.4	15	168.5	44	6.1	38	5.3
WASCO	20,600	283	13.7	75	265.0	191	9.3	92	4.5
WASHINGTON	287,000	4,534	15.8	643	141.8	1,897	6.6	1,261	4.4
WHEELER	1,350	10	7.4	2	200.0	13	9.6	41	30.4
YAMHILL	59,800	923	15.4	214	231.9	499	8.3	394	6.6

NOTE: RATE PER 1,000 POPULATION FOR LIVE BIRTHS, MARRIAGES, AND DISSOLUTION OF MARRIAGES

NOTE: RATIO PER 1,000 LIVE BIRTHS FOR BIRTHS TO UNWED MOTHERS

TABLE 1-6. DEATHS, INFANT DEATHS, NEONATAL DEATHS, FETAL DEATHS, BY COUNTY OF RESIDENCE, OREGON, 1988

COUNTY OF RESIDENCE	DEATHS		INFANT DEATHS		NEONATAL DEATHS		FETAL DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL......	24,557	9.0	339	8.5	184	4.5	233	66.4
BAKER......	160	10.6	3	16.2	2	10.8	4	21.6
BENTON.....	400	5.7	8	9.3	5	5.8	8	9.3
CLACKAMAS..	1,935	7.4	26	7.3	9	2.5	14	3.9
CLATSOP....	364	10.7	3	7.1	2	4.8	3	7.1
COLUMBIA...	331	9.0	6	12.2	3	6.1	3	6.1
COOS.......	635	10.8	9	11.6	4	5.2	2	2.6
CROOK......	153	11.5	0	.0	0	.0	1	4.6
CURRY......	206	11.2	1	4.6	1	4.6	2	9.2
DESCHUTES..	617	9.0	9	9.2	7	7.1	5	5.1
DOUGLAS....	889	9.6	11	8.6	4	3.1	8	6.3
GILLIAM....	18	9.7	0	.0	0	.0	-	-
GRANT......	82	9.8	3	30.9	2	20.6	-	-
HARNEY.....	63	8.5	0	.0	0	.0	2	17.1
HOOD RIVER.	160	9.7	0	.0	0	.0	1	3.6
JACKSON....	1,353	9.4	17	8.9	12	6.3	11	5.8
JEFFERSON..	131	11.0	5	16.8	0	.0	4	13.5
JOSEPHINE..	774	12.1	9	10.7	4	4.8	4	4.8
KLAMATH....	507	8.8	6	7.3	3	3.6	7	8.5
LAKE.......	52	7.1	1	9.3	0	.0	1	9.3
LANE.......	2,333	8.5	29	7.6	16	4.2	22	5.8
LINCOLN....	456	11.8	2	4.2	1	2.1	3	6.3
LINN.......	846	9.5	6	4.6	3	2.3	13	9.9
MALHEUR....	242	9.2	2	4.4	2	4.4	4	8.8
MARION.....	1,970	9.0	33	9.6	16	4.7	18	5.2
MORROW.....	54	6.9	0	.0	0	.0	2	20.2
MULTNOMAH..	5,725	10.0	90	10.1	58	6.5	45	5.0
POLK.......	406	9.0	9	14.4	3	4.8	4	6.4
SHERMAN....	19	9.5	0	.0	0	.0	-	-
TILLAMOOK..	249	11.6	0	.0	0	.0	3	12.1
UMATILLA...	546	9.5	7	8.6	2	2.5	4	4.9
UNION......	227	9.7	2	6.3	2	6.3	-	-
WALLOWA....	69	9.6	0	.0	0	.0	-	-
WASCO......	212	10.3	1	3.5	1	3.5	4	14.1
WASHINGTON.	1,825	6.4	32	7.1	19	4.2	29	6.4
WHEELER....	9	6.7	0	.0	0	.0	-	-
YAMHILL....	539	9.0	9	9.8	3	3.3	2	2.2

NOTE: RATE PER 1,000 POPULATION FOR DEATHS
NOTE: RATE PER 1,000 LIVE BIRTHS FOR INFANT, NEONATAL, AND FETAL DEATHS
- QUANTITY IS ZERO

TABLE 1-7. POPULATION, BIRTHS AND DEATHS BY CITY OF RESIDENCE, OREGON, 1988

CITY OF RESIDENCE	ESTIMATED POPULATION 7/1/88	BIRTHS		DEATHS	
		Number	Rate	Number	Rate
Albany (Linn, Benton)	28,020	505	18.0	288	10.3
Ashland (Jackson)	16,310	164	10.1	131	8.0
Beaverton (Washington)	40,515	998	24.6	301	7.4
Bend (Deschutes)	18,970	363	19.1	202	10.6
Coos Bay (Coos)	14,220	266	18.7	151	10.6
Corvallis (Benton)	42,520	581	13.7	216	5.1
Eugene (Lane)	108,770	1,454	13.4	938	8.6
Forest Grove (Washington)	12,120	198	16.3	138	11.4
Grants Pass (Josephine)	16,930	336	19.8	256	15.1
Gresham (Multnomah)	60,315	595	9.9	324	5.4
Hillsboro (Washington)	32,320	599	18.5	205	6.3
Keizer (Marion)	20,190	201	10.0	154	7.6
Klamath Falls (Klamath)	17,220	312	18.1	171	9.9
LaGrande (Union)	11,525	188	16.3	124	10.8
Lake Oswego (Multnomah, Clackamas, Washington)	28,360	326	11.5	179	6.3
Lebanon (Linn)	10,475	194	18.5	145	13.8
McMinnville (Yamhill)	16,400	272	16.6	173	10.5
Medford (Jackson)	45,000	776	17.2	475	10.6
Milwaukie (Clackamas)	19,045	544	28.6	294	15.4
Newberg (Yamhill)	11,630	215	18.5	126	10.8
Oregon City (Clackamas)	15,030	375	25.0	133	8.8
Pendleton (Umatilla)	14,660	208	14.2	141	9.6
Portland (Multnomah, Clackamas, Washington)	429,410	6,538	15.2	4,524	10.5
Roseburg (Douglas)	16,240	290	17.9	241	14.8
Salem (Marion, Polk)	96,830	1,920	19.8	983	10.2
Springfield (Lane)	41,080	906	22.1	373	9.1
The Dalles (Wasco)	10,715	174	16.2	120	11.2
Tigard (Washington)	25,570	490	19.2	236	9.3
Tualatin (Washington)	12,160	190	15.6	28	2.3
West Linn (Clackamas)	14,020	196	14.0	70	5.0
Woodburn (Marion)	12,080	270	22.4	184	15.2

Cities of 10,000 or more population listed.
Counties listed in parenthesis.
Population Source: Center for Population Research and Census, Portland State University, July 1, 1988.

TABLE 1-8. **U.S.** RATES OF LOW BIRTHWEIGHT, NO CARE, INADEQUATE CARE, THIRD TRIMESTER CARE, AND LESS THAN FIVE PRENATAL VISITS, 1977-1987

U.S. YEAR	LOW BIRTH-WEIGHT RATE	NO CARE	INADEQUATE CARE/1 RATE	THIRD TRIMESTER CARE	LESS THAN FIVE VISITS
1975	73.5	9.7	93.9	42.9	74.7
1976	72.4	9.0	89.0	40.2	70.7
1977	70.6	11.4	83.7	40.0	69.4
1978	70.9	13.5	79.0	38.3	67.7
1979	70.9	11.3	80.1	36.2	63.5
1980	68.2	13.2	84.6	37.2	66.9
1981	68.0	13.8	84.6	37.5	66.4
1982	67.3	15.5	88.3	39.0	69.8
1983	68.1	16.6	86.8	38.3	67.9
1984	67.1	16.7	85.5	38.6	66.7
1985	67.4	16.6	85.6	39.7	65.5
1986	68.0	18.9	87.1	40.2	66.4
1987	68.9	19.6	88.1	40.8	66.8

TABLE 1-9. **OREGON** RATES OF LOW BIRTHWEIGHT, NO CARE, INADEQUATE CARE, THIRD TRIMESTER CARE, AND LESS THAN FIVE PRENATAL VISITS, 1977-1988

OREGON YEAR	LOW BIRTH-WEIGHT RATE	NO CARE	INADEQUATE CARE/1 RATE	THIRD TRIMESTER CARE	LESS THAN FIVE VISITS
1975	56.6	9.0	72.4	39.3	52.0
1976	54.0	8.0	66.8	37.1	48.2
1977	51.8	8.3	68.6	39.4	47.0
1978	50.9	8.4	66.9	39.1	45.5
1979	51.2	6.0	66.2	40.0	44.7
1980	50.4	5.4	58.0	34.6	40.5
1981	48.5	8.7	63.1	38.0	42.0
1982	49.2	11.2	70.3	40.8	47.8
1983	50.0	11.2	66.5	38.5	44.8
1984	51.5	11.0	68.2	41.0	46.0
1985	51.3	12.0	72.9	43.6	47.4
1986	51.3	13.4	83.3	52.0	54.4
1987	54.0	16.5	86.2	50.3	58.4
1988	52.6	13.8	83.6	49.8	54.5

1/ Inadequate prenatal care is defined as care that began in the third trimester or consisted of less than five visits.

NATALITY

Natality

NUMBER. For the first time in the 1980s, more Oregon women gave birth than they did in the preceding year. The number of births rose by 1,176 compared to 1987 and totaled 39,850. The first increase in the birth rate since 1980 was also recorded.

However, a one year fluctuation in rates is not enough to conclude that new trends in childbearing patterns are developing. Changes in birth patterns are measured over decades and generations. The women born at the end of the baby boom years are just now passing through their peak years for childbearing (25-29). From 1977 to 1983, Oregon experienced what is referred to as an "echo boom" (Figure 1-1).

More Oregon women had babies in 1988.

Only from 1976 to 1981 were Oregon's crude rates higher than the U.S. Typically Oregon has lower birth rates. Oregon's crude birth rate of 14.5 per 1,000 population in 1988 is 8.8 percent lower than the U.S. crude rate of 15.9.

Changes in crude rates are affected by population changes and the number of babies born within specific age groups. The fertility rate is a reflection of the number of births experienced by women of childbearing age. It is based on the number of births per 1,000 women age 15 to 44. Oregon's 1988 fertility rate of 61.8 is 8.2 percent lower than the U.S. figure of 67.3.[1] While the U.S. fertility rate rose 1.8 percent from 1987 to 1988, the Oregon fertility rate increased by 1.5 percent during the same time period. Oregon's fertility rate has decreased steadily for the last seven years. The increase in 1988 may be a reversal of a trend or only a minor blip due to yearly fluctuations. There is only one consistent trend; older mothers (35+) continue to have increasing birth rates.

Comparison of the Oregon to U.S. race-specific birth rates would be more accurate than comparison of crude rates, since Oregon's population consists of a smaller proportion of racial minorities. Unfortunately, race-specific rates for Oregon are available only during census years.

Inadequate care and low birthweight rates dip slightly.

LOW BIRTHWEIGHT. Do all of the thousands of infants born every year thrive and become normal healthy adults? The Center for Health Statistics has two ways to answer this question. The first, the low birthweight (LBW) rate, is the proportion of infants who weigh less than 2,500 grams at birth. The low birthweight rate for 1988 was 52.6 per 1,000 live births (number = 2096, Table 1-9). These infants usually require extensive medical treatment and sometimes have lifelong handicapping conditions. Major factors associated with the risk of having a low weight baby include multiple births, inadequacy of prenatal care, single marital status, a previous fetal or infant death, and low maternal educational attainment.[2] Other factors commonly associated with poor birth outcomes are non-white race and age of mother. The second type of health status indicator uses death information. Neonatal deaths and infant deaths are closely linked to low birthweight. Infant deaths

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1. National Center for Health Statistics: Annual summary of births, marriages, divorces and deaths: United States, 1988. *Monthly Vital Statistics Report*, Vol. 37, No. 13, supp. DHHS Pub. No. (PHS) 89-1120. Public Service, Hyattsville, Maryland, July 29, 1989.
2. *Medicaid Support and Birth Outcome, Oregon, 1984*. Center for Health Statistics, Health Division, Oregon Department of Human Resources, 1986.

are discussed in the mortality section of this report. During the late 70s and early 80s, Oregon's LBW rates were typically 26 to 27 percent lower than the U.S. rates of low birthweight. In 1987 the last year national data is available, Oregon's rate was 21.6 percent lower than the U.S. Rates in both the U.S. and Oregon have been fluctuating yearly. No significant trend can be seen over time.

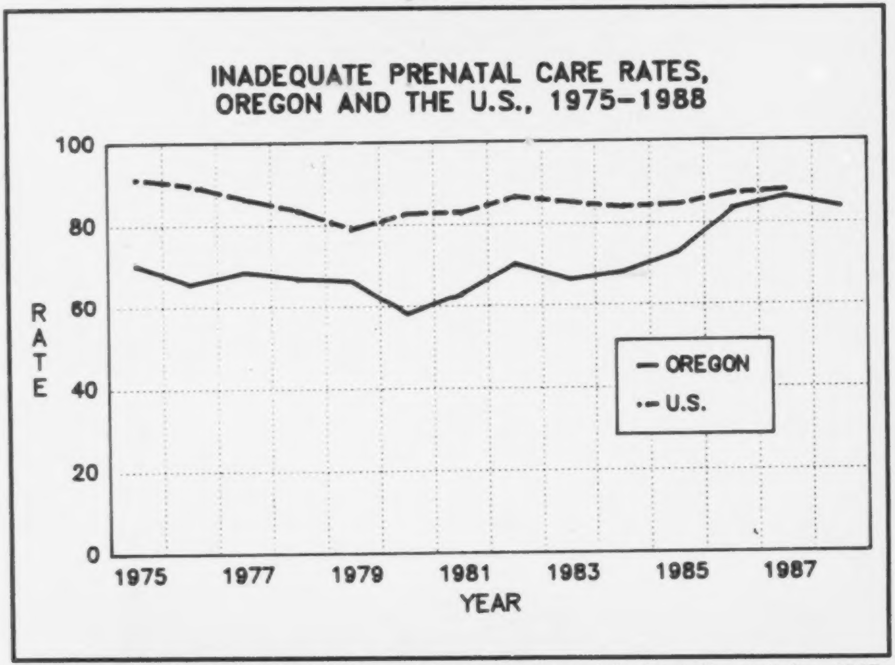
PRENATAL CARE. Public health services can do little to influence the most important factor that affects low birthweight, multiple births (e.g., twins). However, the second major predictor of low birthweight is adequacy of prenatal care. Adequate care is defined as care starting before the last trimester and consisting of more than four visits.

Oregon's rate of inadequate care (83.6 per 1,000 live births) decreased in 1988 for the first time in this decade (Figure 2-1). This is a 3.0 percent drop from the 1987 rate of 86.2. The trend was downward from 1975 to 1980, but in 1981, it reversed direction. From 1980 to 1987, the Oregon inadequate prenatal care rate rose 48.6 percent, from 58.0 to 86.2.

In the past, Oregon's rate of inadequate prenatal care had been consistently below the national rate. Now, the gap between the Oregon and U.S. rates has virtually disappeared. In 1980, the Oregon rate (58.0) was 31.4 percent lower than the U.S. rate (84.6). By 1987, the Oregon rate (86.2) was only 2.2 percent lower than the 1987 U.S. rate (88.1).[3]

Oregon women ages 30-34 sought prenatal care most often; only 43.0 out of every 1,000 births had inadequate prenatal care. Women under 20 were least likely to obtain prenatal care. Their rate of inadequate care, 168.7 per 1,000 live births, was nearly four times higher than that for the 30-34 age group (Table 2-23). Differences exist between racial groups. White and Japanese women had significantly lower rates of inadequate care than the

Figure 2-1.



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[3] National Center for Health Statistics: Advanced report of final natality statistics, 1987. *Monthly Vital Statistics Report*, Vol. 38, No. 3, supp. DHHS Pub. No. (PHS) 87-1120. Public Service, Hyattsville, Maryland, June 29, 1989.

state average with Japanese women registering the lowest rate (43.7). Hispanic, African American, and Indian women had rates significantly higher than the state average in 1988, with Hispanics registering the highest rate of the three (179.6).

The rate of inadequate prenatal care varied between 152.9 and 392.2 for mothers with less than twelve years of education. However, for mothers with more education, the rate declined steadily from 80.9 for mothers with 12 years of education to 15.5 for mothers with 17 or more years of education (Table 2-25). Clearly, educational attainment is closely associated with adequacy of prenatal care.

The relationship between inadequate prenatal care and low birthweight is almost as clear. The lighter the infant, the higher the rate of inadequate prenatal care. Infants weighing under 1000 grams at birth had the highest rate (386.1) while the rate for infants 4,000-4,999 grams was 54.6. The rate for infants 5,000 grams and over was 57.1.

A large disparity exists among the counties as geographic differences prevail throughout the state. Of the 36 counties, six had inadequate prenatal care rates significantly lower than the state average (Benton, Clackamas, Crook, Lincoln, Washington, and Yamhill), while four counties had rates significantly higher than the state rate (Jackson, Josephine, Klamath, and Lane).

MARITAL STATUS. The increase in the number and rate of births to unwed mothers continues. In 1988, there were 9,377 live births to unwed mothers. Of every 1,000 births in 1988, 235.3 were to mothers who were not married. This is a 5.1 percent increase in the rate from 1987 and a 59.4 percent increase over the 1980 rate of 147.6.

The Oregon rate for births to unwed mothers in 1987 (223.9) was 8.1 percent lower than the 1987 U.S. rate of 243.7. Oregon's rate of unwed mothers has always been lower than the U.S. rate, however from 1980 to 1987 the U.S. rate has increased by 32.2 percent while the Oregon unwed rate increased 51.7 percent in the same time period (Figure 2-2).

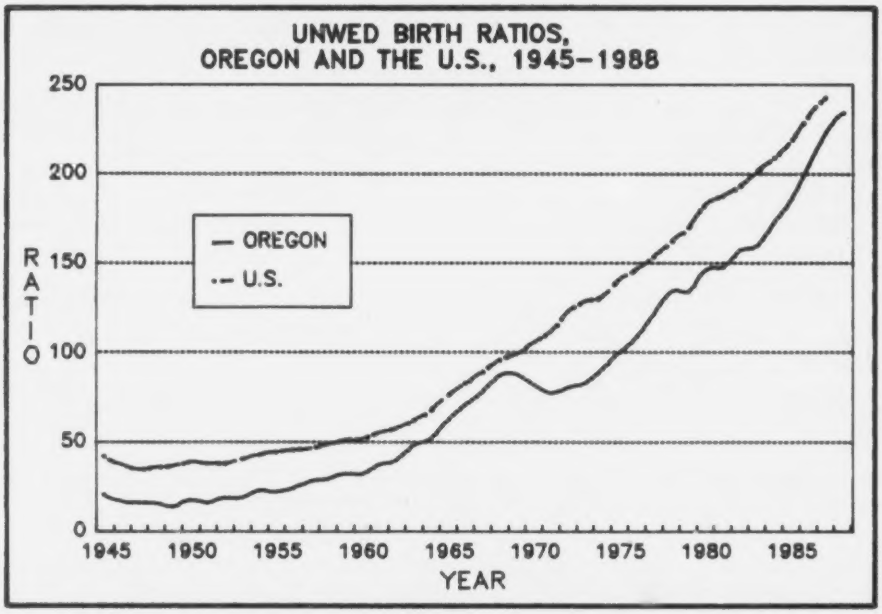
Although considered a personal choice of the mother, marital status is linked to birth outcome. Unwed mothers are more likely to give birth to low weight infants; their low birthweight rate is 80.3 compared to 44.1 for married mothers. Many professionals link the low birthweight outcome of unwed mothers to their high rates of inadequate prenatal care.

The unwed mothers' rate of inadequate prenatal care was 180.3, much higher than the 53.8 rate for married mothers. However, even for unwed mothers receiving adequate prenatal care, 64.6 babies out of every 1,000 were low weight, compared to 40.8 low weight births to married mothers who received adequate care.

There were also differences among unwed mothers by race of child. A majority (61.9 percent) of African American mothers were unwed, while only 2.6 percent of Chinese mothers were unwed. Indian (41.3 percent) and Hispanic (27.3 percent) mothers also had a significantly higher proportion of unwed mothers. All of the Asian ethnic groups had unwed rates significantly less than the state rate.

Unwed mothers tended to be younger than married mothers. In 1988, 30.8 percent of unwed mothers were under 20 years of age, while only 5.5

Figure 2-2.



percent of married mothers were in this age range. Marital status differences existed among counties. Five of Oregon's counties had unwed mother ratios significantly less than the state ratio of 235.3, while seven counties had ratios significantly greater than the state ratio (Table 2-7).

SIZE OF FAMILIES. Historically, the percentage of families giving birth to their third or more child increased from 31.7 percent in 1940 to 52.5 percent in 1960, then it decreased to 23.2 percent in 1980, when it resumed the current upward trend (Table 2-8).[4] By 1988, 27.2 percent of mothers were delivering *at least* their third child.

AGE. Nearly 59 percent of the infants who were born in 1988 had mothers who were 20-29 years of age. However, just ten years ago 68 percent of all infants were born to mothers in this age group. This has been largely influenced by the decision to begin childbearing later in life. Age specific fertility rates show the changes over time (Table 2-1). Women 20-29 years of age had increasing fertility rates from 1950 to 1960 when rates began to decrease. The trend has been stable for the last ten years with only minor fluctuations. Older mothers (30+ years) had decreasing birth rates from 1950 till 1975 when they began having more babies. The higher age specific birth rates in this group during the early 50s were due to women delivering their third or fourth child. Now some women are delaying childbearing. The median age of mothers has been increasing (sidebar) since 1972. Most of our historical data does not allow us to track the factor of delayed childbearing prior to 1971. In 1977 only 6 percent of mothers having their first baby were 30 or older, compared to 11.8 percent in 1982 and 18.6 percent in 1988.

OUT-OF-HOSPITAL BIRTHS. Beginning in 1969, Oregon mothers were more apt to give birth in a non-hospital setting than were their counterparts

Median Age All Births

1940	25.7
1950	25.7
1960	24.7
1970	N/A
1971	23.98
1972	23.10
1973	23.22
1974	23.32
1975	23.50
1976	23.50
1977	23.67
1978	23.97
1979	24.22
1980	24.29
1981	24.51
1982	24.76
1983	25.04
1984	25.29
1985	25.37
1986	25.48
1987	25.61
1988	25.69

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[4] Public Health Statistics Summary 1960, Oregon State Board of Health, Portland, Oregon, published 1962.

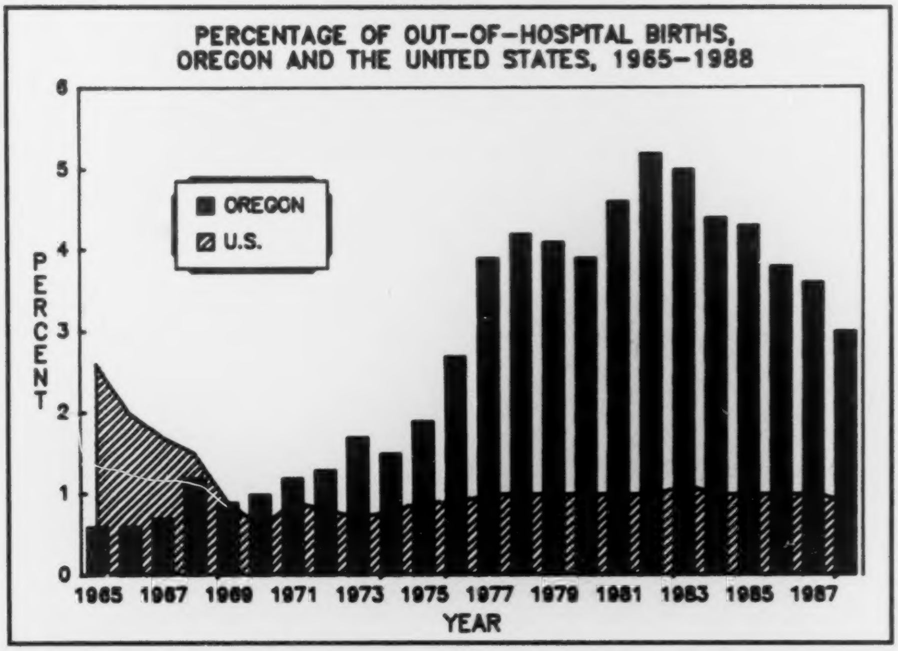
nationally (Figure 2-3). The peak years for numbers of non-hospital births were 1982 and 1983, with 2,069 and 2,060 births respectively. In 1988, there were 1,217 out-of-hospital births (29.4 per 1,000 live births). The out-of-hospital rate is down 13.5 percent from 1987 and 40.0 percent from the peak of 50.2 in 1983, but still above the U.S. rate.

In 1988, only 25 infants born out-of-hospital to Oregon residents had low birthweights (2.1 percent of all non-hospital Oregon resident births), while 5.4 percent of the infants born in-hospital births had low birthweights. This difference may reflect the screening process used by providers in out-of-hospital birth settings. Typically, the mothers delivering in non-traditional settings are not high risk patients. These providers may also be transporting or transferring mothers in premature labor or patients who develop complications of pregnancy, because they do not have the facility or equipment to deal with these problem births.

For whites and Hispanics, 3.1 percent of births were out-of-hospital while the figure for other non-whites was 2.4 percent, over one-fifth lower.

The type of attendant at these births has changed considerably since 1983. The percentage of MDs attending out-of-hospital births has dropped from 21.0 to 2.7 percent, while the percentage of births *in* hospitals attended by MDs has stayed relatively stable (91.3 percent). Certified Nurse Midwives (CNMs) are increasingly attending more hospital births. While still only 5.3 percent of the hospital births are attended by CNMs, nearly 70 percent of the increase in hospital births between 1983 and 1988 were attended by CNMs. Consequently, as more MDs and CNMs move away from attending out-of-hospital births, a larger percentage of these births are attended by midwives and non-medical or family attendants (40.8 and 13.4 percent, respectively).

Figure 2-3.



PERCENTAGE OF OUT-OF-HOSPITAL BIRTHS, OREGON AND THE UNITED STATES, 1965–1988

Figure 2-4.

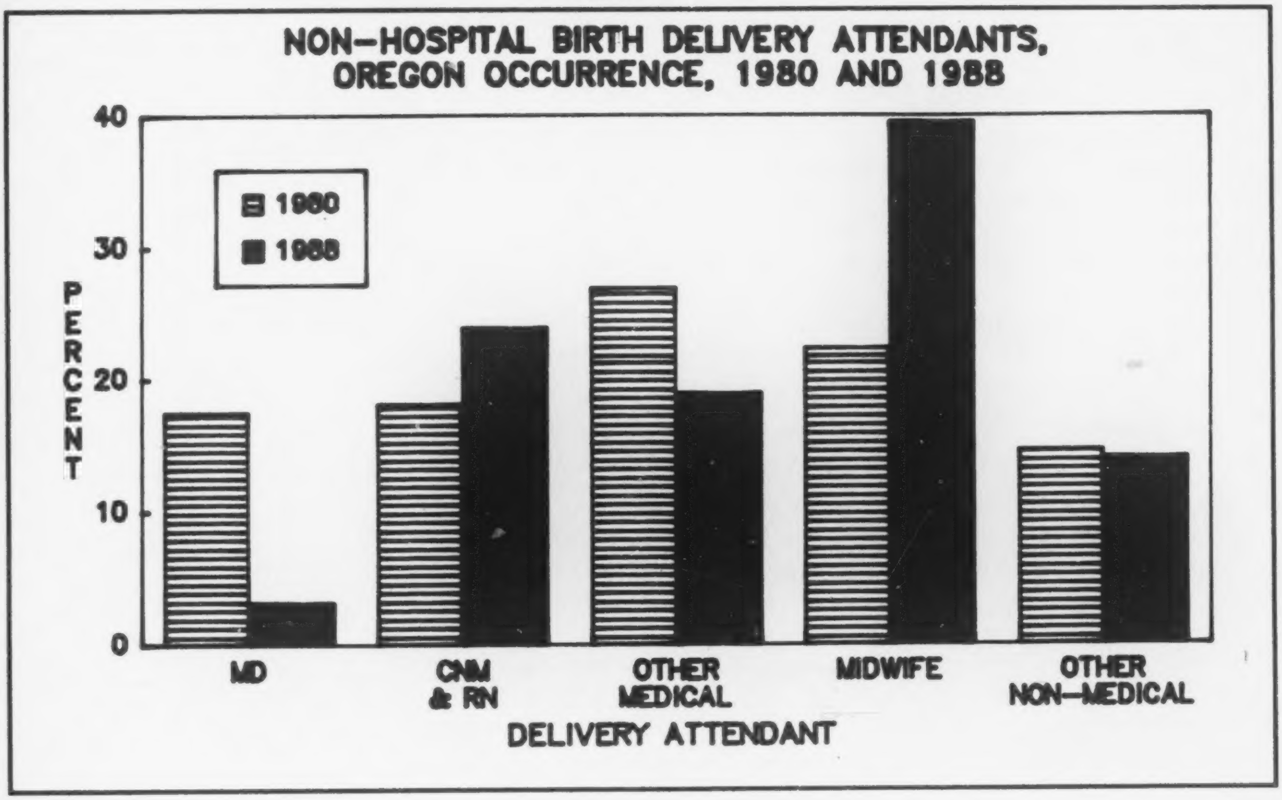

NON-HOSPITAL BIRTH DELIVERY ATTENDANTS,
OREGON OCCURRENCE, 1980 AND 1988
PERCENT
0
10
20
30
40
▤ 1980
■ 1988
MD
CNM & RN
OTHER MEDICAL
MIDWIFE
OTHER NON-MEDICAL
DELIVERY ATTENDANT

TABLE 2-1. AGE-SPECIFIC BIRTH RATES, FERTILITY RATES, AND TOTAL FERTILITY RATES, OREGON, 1940, 1950-1988

YEAR	AGE-SPECIFIC BIRTH RATES						FERTILITY RATES	TOTAL FERTILITY RATES
	15-19	20-24	25-29	30-34	35-39	40-44	15-44	
1940	46.2	132.8	114.1	68.0	31.7	9.0	69.4	2,009.0
1950	92.9	223.0	169.5	100.9	46.7	12.6	108.8	3,228.3
1951	92.4	229.1	171.5	100.5	46.7	12.7	109.1	3,264.2
1952	91.9	235.2	173.5	100.0	46.7	12.8	109.5	3,300.2
1953	91.5	241.2	175.4	99.5	46.6	13.0	109.9	3,336.1
1954	91.0	247.3	177.4	99.1	46.6	13.1	110.3	3,372.1
1955	90.5	253.4	179.4	98.6	46.5	13.2	110.6	3,408.0
1956	90.1	259.5	181.4	98.1	46.5	13.3	111.0	3,444.0
1957	89.6	265.6	183.4	97.7	46.4	13.4	111.4	3,479.9
1958	89.1	271.6	185.4	97.2	46.4	13.5	111.8	3,515.9
1959	88.7	277.7	187.4	96.7	46.3	13.6	112.1	3,551.8
1960	88.2	283.8	189.3	96.3	46.3	13.7	112.5	3,587.8
1961	85.3	272.2	184.3	92.5	43.8	12.9	109.4	3,454.6
1962	82.3	260.5	179.4	88.7	41.3	12.0	106.3	3,321.4
1963	79.4	248.9	174.4	84.9	38.9	11.2	103.2	3,188.2
1964	76.5	237.3	169.4	81.1	36.4	10.4	100.1	3,054.9
1965	73.5	225.6	164.4	77.3	34.0	9.5	97.0	2,921.7
1966	70.6	214.0	159.4	73.5	31.5	8.7	93.9	2,788.5
1967	67.7	202.4	154.4	69.7	29.1	7.9	90.8	2,655.3
1968	64.7	190.8	149.4	65.9	26.6	7.0	87.7	2,522.1
1969	61.8	179.1	144.4	62.1	24.1	6.2	84.6	2,388.9
1970	58.9	167.5	139.4	58.3	21.7	5.4	81.5	2,255.6
1971	56.5	156.5	133.8	56.1	20.2	4.9	78.1	2,139.9
1972	54.2	145.5	128.3	53.8	18.8	4.4	74.7	2,024.2
1973	51.9	134.4	122.7	51.5	17.3	3.9	71.3	1,908.5
1974	49.5	123.4	117.1	49.3	15.9	3.4	67.9	1,792.7
1975	47.2	112.4	111.6	47.0	14.4	2.8	64.5	1,677.0
1976	48.6	114.0	118.5	52.5	15.2	3.1	67.4	1,759.3
1977	47.4	116.3	114.9	55.0	15.8	2.9	67.7	1,760.8
1978	49.3	115.1	111.3	56.8	16.1	2.8	67.3	1,757.5
1979	48.8	117.1	114.7	61.0	16.9	3.0	69.0	1,808.0
1980	50.9	124.3	112.9	57.8	17.2	2.8	69.3	1,829.5
1981	51.5	121.3	112.8	59.3	16.6	3.0	68.1	1,822.5
1982	45.7	119.1	109.1	60.3	18.6	3.3	65.2	1,780.6
1983	42.8	114.0	110.8	64.7	19.7	3.3	64.1	1,776.6
1984	42.5	108.0	111.0	66.4	21.2	3.1	62.8	1,761.6
1985	42.8	111.2	110.8	65.6	21.2	3.4	62.2	1,775.2
1986	42.3	105.5	112.7	69.5	22.9	3.9	61.8	1,784.0
1987	46.4	109.1	109.1	66.3	24.4	4.0	60.9	1,796.5
1988	46.7	111.1	111.5	69.5	25.7	4.8	61.8	1,846.5

Rates are per 1,000 female population within the specific age group. Births to mothers under 15 and over 44 were not included.

Figure 2-5.

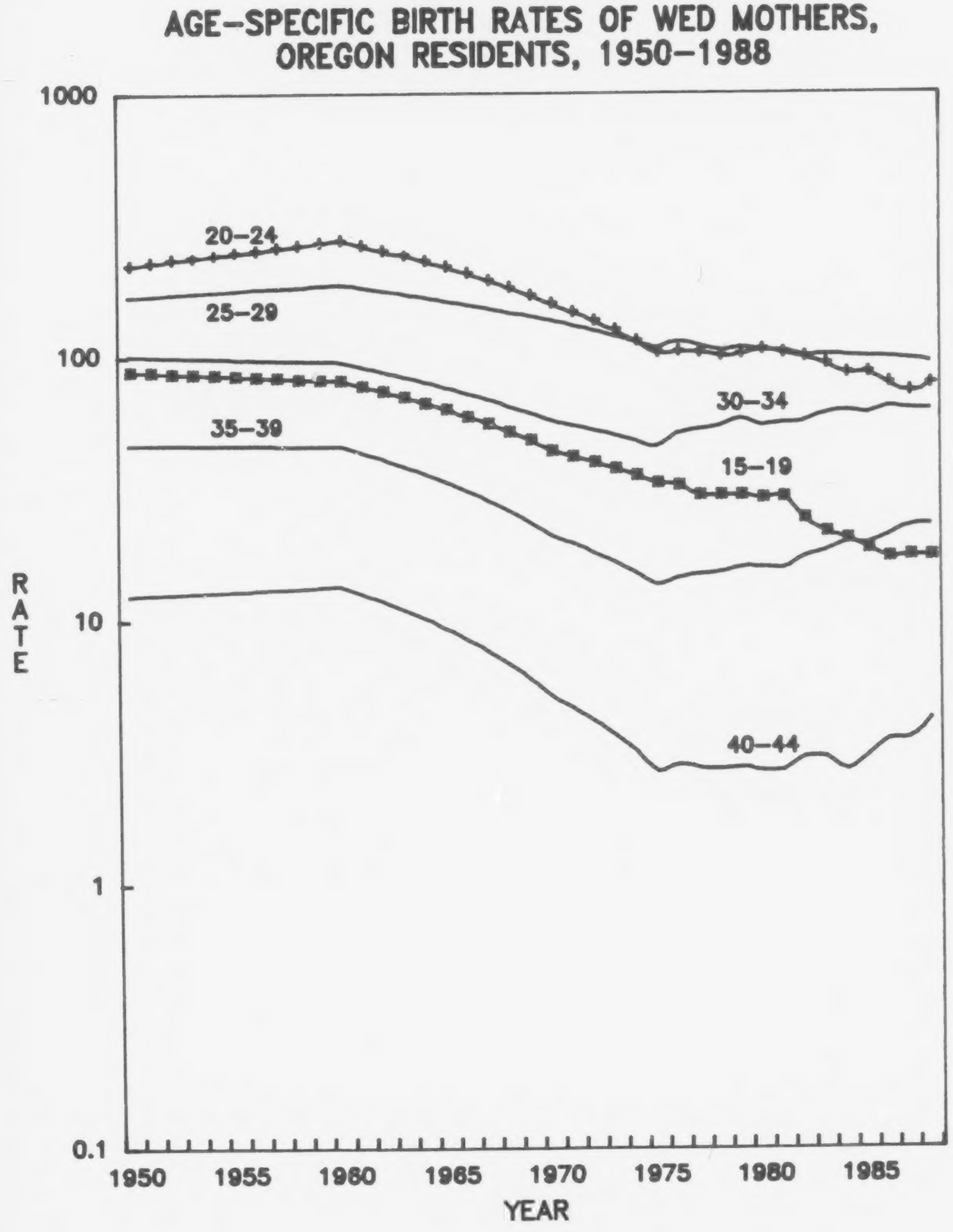

AGE-SPECIFIC BIRTH RATES OF WED MOTHERS, OREGON RESIDENTS, 1950-1988
1000
100
10
1
0.1
RATE
1950
1955
1960
1965
1970
1975
1980
1985
YEAR
20-24
25-29
30-34
15-19
35-39
40-44

TABLE 2-2. AGE-SPECIFIC BIRTH RATES, FERTILITY RATES, AND TOTAL FERTILITY FOR UNWED MOTHERS, OREGON 1950-1988

YEAR	AGE-SPECIFIC BIRTH RATES						FERTILITY RATES	TOTAL FERTILITY RATES
	15-19	20-24	25-29	30-34	35-39	40-44	15-44	
1950	5.5	4.0	1.6	0.7	0.5	0.2	2.0	62.4
1951	5.7	4.4	1.7	0.8	0.6	0.2	2.2	67.0
1952	6.0	4.8	1.8	0.9	0.6	0.2	2.3	71.6
1953	6.2	5.3	2.0	0.9	0.6	0.3	2.5	76.2
1954	6.4	5.7	2.1	1.0	0.6	0.3	2.6	80.8
1955	6.6	6.1	2.3	1.1	0.6	0.3	2.8	85.4
1956	6.9	6.6	2.4	1.2	0.6	0.3	3.0	89.9
1957	7.1	7.0	2.6	1.3	0.6	0.3	3.1	94.5
1958	7.3	7.5	2.7	1.4	0.7	0.3	3.3	99.1
1959	7.6	7.9	2.8	1.5	0.7	0.3	3.4	103.7
1960	7.8	8.3	3.0	1.6	0.7	0.3	3.6	108.3
1961	8.4	8.6	3.0	1.6	0.7	0.3	3.9	113.1
1962	9.1	8.8	3.1	1.6	0.7	0.3	4.2	117.8
1963	9.8	9.0	3.1	1.6	0.7	0.3	4.5	122.6
1964	10.5	9.2	3.2	1.6	0.7	0.3	4.8	127.3
1965	11.1	9.5	3.2	1.6	0.7	0.3	5.1	132.1
1966	11.8	9.7	3.3	1.6	0.8	0.3	5.4	136.8
1967	12.5	9.9	3.4	1.6	0.8	0.3	5.7	141.6
1968	13.1	10.1	3.4	1.6	0.8	0.3	6.0	146.3
1969	13.8	10.4	3.5	1.6	0.8	0.3	6.3	151.1
1970	15.1	10.6	3.6	1.6	0.8	0.2	6.6	159.4
1971	15.0	10.4	3.7	1.6	0.8	0.2	6.6	159.0
1972	14.8	10.3	3.9	1.7	0.8	0.2	6.6	158.6
1973	14.6	10.2	4.1	1.7	0.8	0.2	6.5	158.2
1974	14.5	10.0	4.3	1.7	0.8	0.2	6.5	157.7
1975	14.3	9.9	4.5	1.8	0.8	0.2	6.4	157.3
1976	16.4	11.0	5.3	1.8	0.8	0.2	7.3	177.6
1977	17.9	13.7	5.9	2.3	0.9	0.1	8.2	204.1
1978	19.9	15.7	6.5	2.6	1.0	0.1	9.0	228.8
1979	19.3	16.4	7.4	3.3	1.1	0.2	9.2	238.1
1980	22.1	19.0	8.5	3.2	1.4	0.1	10.1	271.6
1981	22.4	19.6	8.8	3.4	1.0	0.3	10.0	277.1
1982	21.6	21.3	9.3	4.0	1.3	0.3	10.2	288.9
1983	21.4	21.3	10.1	4.4	1.5	0.2	10.3	294.8
1984	22.4	22.6	11.2	4.5	1.7	0.4	10.8	314.8
1985	24.2	25.6	12.3	5.3	1.8	0.4	11.6	347.4
1986	25.2	27.3	14.6	5.8	2.1	0.4	12.6	376.4
1987	28.5	31.3	15.4	6.4	2.5	0.4	13.6	422.4
1988	29.4	33.7	17.3	7.1	2.9	0.6	14.5	455.0

Rates are per 1,000 female population within the specific age group. Births to mothers under 15 and over 44 not included.

Figure 2-6.

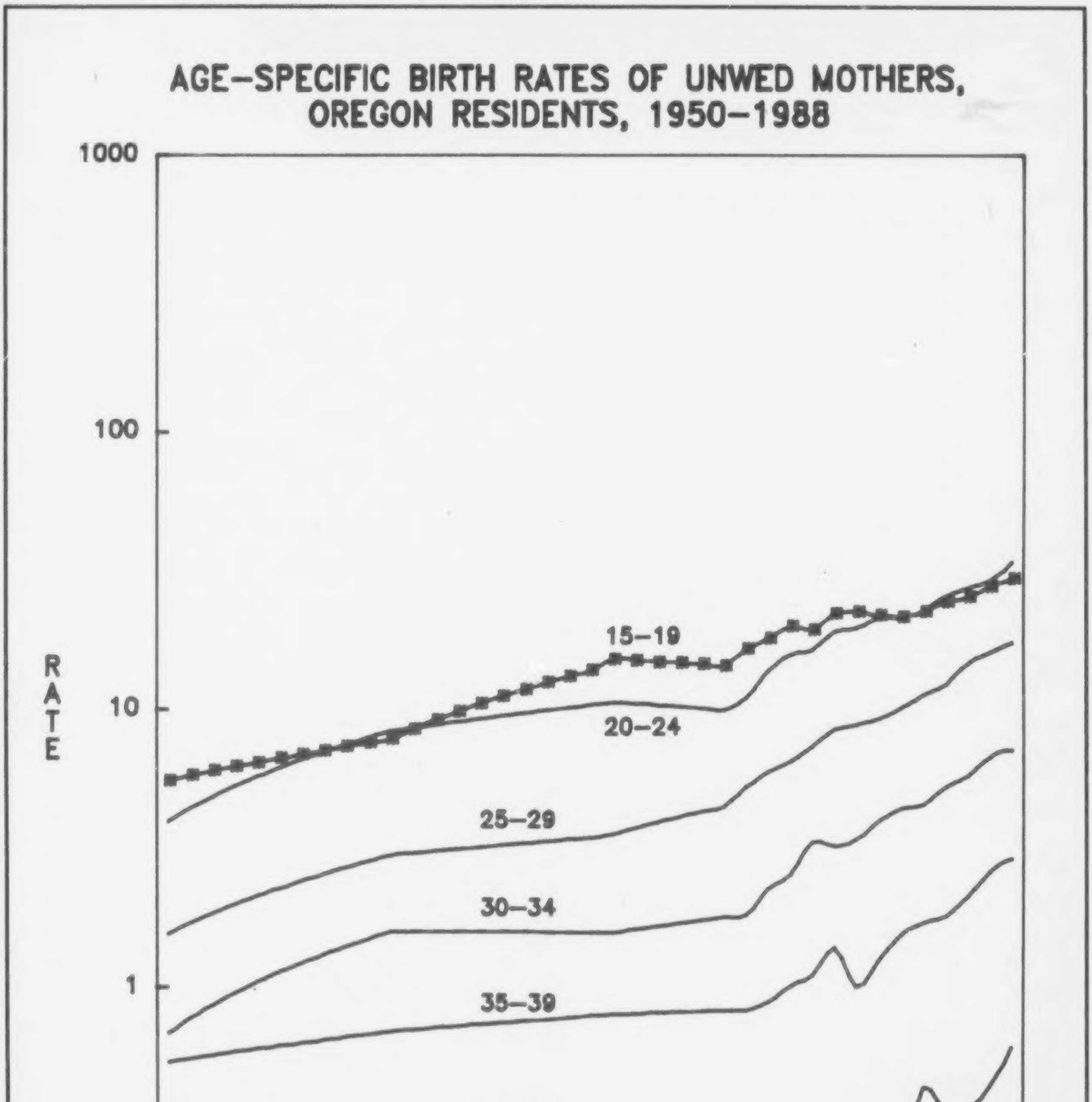

AGE-SPECIFIC BIRTH RATES OF UNWED MOTHERS,
OREGON RESIDENTS, 1950-1988
1000
100
10
1
0.1
RATE
1950
1955
1960
1965
1970
1975
1980
1985
YEAR
15-19
20-24
25-29
30-34
35-39
40-44

TABLE 2-3. RESIDENT BIRTHS BY AGE GROUP OF MOTHER, OREGON, 1955-1988

YEAR	TOTAL	AGE-GROUP OF MOTHER																
		Under 15		15-19		20-24		25-29		30-34		35-39		40-44		45 +		N.S.*
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.
1955	38,678	19	0.0	4,939	12.8	12,968	33.5	10,339	26.7	6,346	16.4	3,194	8.3	835	2.2	36	0.1	2
1956	38,423	21	0.1	5,230	13.6	13,029	33.9	10,035	26.1	6,119	15.9	3,098	8.1	831	2.2	50	0.1	10
1957	37,828	19	0.1	5,267	13.9	13,162	34.8	9,509	25.1	5,939	15.7	3,051	8.1	832	2.2	47	0.1	2
1958	36,295	26	0.1	5,147	14.2	12,761	35.2	9,222	25.4	5,519	15.2	2,763	7.6	819	2.3	36	0.1	2
1959	36,634	21	0.1	5,351	14.6	13,390	36.6	9,052	24.7	5,314	14.5	2,732	7.5	737	2.0	35	0.1	2
1960	38,347	31	0.1	5,896	15.4	14,122	36.8	9,338	24.4	5,303	13.8	2,808	7.3	799	2.1	48	0.1	2
1961	37,475	25	0.1	5,738	15.3	14,434	38.5	8,891	23.7	5,012	13.4	2,597	6.9	733	2.0	42	0.1	3
1962	36,983	19	0.1	5,882	15.9	14,246	38.5	8,743	23.6	4,817	13.0	2,497	6.8	737	2.0	39	0.1	3
1963	34,863	32	0.1	5,546	15.9	13,616	39.1	8,322	23.9	4,352	12.5	2,266	6.5	694	2.0	35	0.1	-
1964	33,500	30	0.1	5,356	16.0	13,302	39.7	7,986	23.8	4,088	12.2	2,079	6.2	619	1.8	38	0.1	2
1965	32,955	29	0.1	5,758	17.5	13,154	39.9	7,640	23.2	3,786	11.5	1,976	6.0	582	1.8	29	0.1	1
1966	32,446	31	0.1	5,989	18.5	13,044	40.2	7,688	23.7	3,352	10.3	1,781	5.5	521	1.6	38	0.1	2
1967	31,446	43	0.1	5,646	18.0	13,012	41.4	7,585	24.1	3,185	10.1	1,518	4.8	430	1.4	25	0.1	2
1968	32,136	39	0.1	5,789	18.0	13,071	40.7	8,304	25.8	3,170	9.9	1,332	4.1	405	1.3	25	0.1	1
1969	33,834	49	0.1	5,771	17.1	13,779	40.7	9,221	27.3	3,365	9.9	1,241	3.7	372	1.1	32	0.1	4
1970	35,353	41	0.1	6,027	17.0	14,587	41.3	9,778	27.7	3,373	9.5	1,195	3.4	324	0.9	27	0.1	1
1971	33,344	51	0.2	5,591	16.8	13,958	41.9	9,218	27.6	3,222	9.7	1,019	3.1	257	0.8	19	0.1	9
1972	31,308	52	0.2	5,531	17.7	12,374	39.5	9,141	29.2	3,046	9.7	920	2.9	226	0.7	12	0.0	6
1973	30,902	66	0.2	5,349	17.3	11,936	38.6	9,332	30.2	3,145	10.2	848	2.7	201	0.7	20	0.1	5
1974	32,506	66	0.2	5,356	16.5	12,612	38.8	10,039	30.9	3,465	10.7	810	2.5	145	0.4	8	0.0	5
1975	33,352	57	0.2	5,206	15.6	12,716	38.1	10,718	32.1	3,576	10.7	888	2.7	167	0.5	9	0.0	5
1976	34,840	67	0.2	5,367	15.4	12,895	37.0	11,386	23.7	3,992	11.5	935	2.7	180	0.5	11	0.0	7
1977	37,467	69	0.2	5,303	14.2	13,830	36.9	12,285	32.8	4,723	12.6	1,069	2.9	174	0.5	9	0.0	5
1978	38,964	72	0.2	5,588	14.3	13,906	35.7	12,710	32.6	5,319	13.7	1,181	3.0	178	0.5	7	0.0	3
1979	41,564	70	0.2	5,544	13.3	14,451	34.8	13,864	33.4	6,109	14.7	1,316	3.2	193	0.5	12	0.0	5
1980	43,091	71	0.2	5,658	13.1	14,912	34.6	14,297	33.2	6,499	15.1	1,456	3.4	185	0.4	11	0.0	2
1981	42,974	61	0.1	5,483	12.8	14,338	33.4	14,292	33.3	7,102	16.5	1,479	3.4	207	0.5	12	0.0	-
1982	41,012	52	0.1	4,783	11.7	13,422	32.7	13,534	33.0	7,202	17.6	1,765	4.3	241	0.6	13	0.0	-
1983	39,949	52	0.1	4,375	11.0	12,595	32.8	13,106	32.8	7,626	19.1	1,938	4.9	244	0.6	11	0.0	2
1984	39,536	56	0.1	4,245	10.7	12,035	30.4	12,783	32.3	7,961	20.1	2,193	5.5	248	0.6	13	0.0	2
1985	39,419	42	0.1	4,136	10.5	11,815	30.0	12,782	32.4	8,017	20.3	2,333	5.9	281	0.7	10	0.0	3
1986	38,850	64	0.2	4,159	10.7	11,334	29.2	12,308	31.7	8,067	20.8	2,574	6.6	327	0.8	13	0.0	4
1987	38,674	59	0.2	4,363	11.3	10,791	27.9	12,209	31.6	8,038	20.8	2,829	7.3	370	1.0	13	0.0	2
1988	39,850	57	0.1	4,496	11.3	10,874	27.3	12,477	31.3	8,436	21.2	3,055	7.7	469	1.2	11	0.0	2

* N.S. Indicates age not stated; the percentage is insignificant.

TABLE 2-4. RESIDENT BIRTHS BY RACE OF CHILD, OREGON, 1955-1988

YEAR	TOTAL	RACE OF CHILD						
		White*	African American	Indian	Chinese	Japanese	Other	Not Stated
1955	38,678	37,575	526	309	74	135	59	-
1956	38,423	37,346	548	267	71	129	62	-
1957	37,828	36,705	530	340	80	121	52	-
1958	36,295	35,138	538	340	65	128	85	1
1959	36,634	35,384	599	376	69	128	78	-
1960	38,347	36,958	651	432	78	134	94	-
1961	37,475	36,128	585	451	72	148	91	-
1962	36,983	35,717	613	385	68	115	85	-
1963	34,863	33,545	617	418	72	105	106	-
1964	33,500	32,199	613	417	69	105	97	-
1965	32,955	31,671	590	425	66	112	91	-
1966	32,446	31,247	567	371	77	82	102	-
1967	31,446	30,270	583	368	63	74	88	-
1968	32,136	30,968	543	363	71	85	106	-
1969	33,834	32,427	626	451	95	95	139	1
1970	35,353	33,729	677	552	86	127	179	3
1971	33,344	31,850	654	478	90	106	158	8
1972	31,308	29,756	657	492	89	110	185	19
1973	30,902	29,349	621	510	77	113	214	18
1974	32,506	30,800	706	515	80	109	272	24
1975	33,352	31,487	760	567	97	117	290	34
1976	34,840	32,923	728	550	104	138	339	58
1977	37,467	35,361	894	527	109	134	369	73
1978	38,964	36,617	947	581	107	144	546	22
1979	41,564	38,983	977	627	147	151	661	18
1980	43,091	40,151	1,012	687	169	147	908	17
1981	42,974	39,863	920	660	154	163	1,211	3
1982	41,012	37,951	976	643	176	185	1,077	4
1983	39,949	37,065	982	688	171	169	871	3
1984	39,536	36,683	907	689	178	158	916	5
1985	39,419	36,509	981	674	165	190	892	8
1986	38,850	35,866	955	722	193	179	924	11
1987	38,674	35,596	1,013	733	211	181	927	13
1988	39,850	36,548	1,090	786	228	183	1006	9

* Includes Hispanic.

TABLE 2-5. RESIDENT BIRTHS BY AGE OF MOTHER AND BIRTHWEIGHT, OREGON, 1988

BIRTH-WEIGHT (IN GRAMS)	TOTAL	AGE OF MOTHER								
		< 15	15-19	20-24	25-29	30-34	35-39	40-44	45+	N.S.
TOTAL..........	39,850	57	4,496	10,847	12,477	8,436	3,055	469	11	2
499 & LESS.....	25	-	5	6	6	5	3	-	-	-
500-999........	133	1	23	25	35	33	15	1	-	-
1000-1499......	156	1	25	37	44	36	10	3	-	-
1500-1999......	395	1	59	107	111	82	31	4	-	-
2000-2499......	1,387	7	207	411	377	247	121	16	1	-
2500-2999......	5,157	12	773	1,474	1,541	974	332	49	2	-
3000-3499......	13,602	24	1,654	3,906	4,222	2,720	930	140	6	-
3500-3999......	13,371	7	1,338	3,506	4,324	2,959	1,076	159	2	-
4000-4499......	4,553	4	344	1,131	1,471	1,107	417	79	-	-
4500-4999......	955	-	62	222	310	243	103	15	-	-
5000 & OVER....	105	-	4	21	32	29	16	3	-	-
UNKNOWN........	11	-	2	1	4	1	1	-	-	2
COLUMN PERCENT TOTAL........	100.0%	100.0	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0	100%
% 1499 & LESS	.8	3.5	1.2	.6	.7	.9	.9	.9	-	-
% 1500-2499..	4.5	14.0	5.9	4.8	3.9	3.9	5.0	4.3	9.1	-
% 2500-4499..	92.1	82.5	91.4	92.3	92.6	92.0	90.2	91.0	90.9	-
% 4500 & OVER	2.7	-	1.5	2.2	2.7	3.2	3.9	3.8	-	-

- QUANTITY IS ZERO

TABLE 2-6. RESIDENT BIRTHS TO UNWED MOTHERS BY AGE OF MOTHER AND BIRTHWEIGHT, OREGON, 1988

BIRTH-WEIGHT (IN GRAMS)	TOTAL	AGE OF MOTHER								
		< 15	15-19	20-24	25-29	30-34	35-39	40-44	45+	N.S.
TOTAL..........	9,377	55	2,834	3,291	1,931	867	341	56	2	-
499 & LESS.....	10	-	4	3	2	-	1	-	-	-
500-999........	46	1	17	11	5	11	1	0	-	-
1000-1499......	58	1	19	17	8	11	2	0	-	-
1500-1999......	142	1	34	45	24	27	9	2	-	-
2000-2499......	497	7	143	183	91	45	21	6	1	-
2500-2999......	1,642	12	520	557	348	149	50	6	0	-
3000-3499......	3,297	22	1,011	1,186	676	271	114	17	0	-
3500-3999......	2,750	7	845	947	586	248	101	15	1	-
4000-4499......	781	4	202	294	148	89	34	10	-	-
4500-4999......	140	-	37	43	38	15	7	0	-	-
5000 & OVER....	11	-	2	5	4	-	-	-	-	-
UNKNOWN........	3	-	-	-	1	1	1	-	-	-
COLUMN PERCENT TOTAL........	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	(1)
% 1499 & LESS	1.2	3.6	1.4	.9	.8	2.5	1.2	.0	-	-
% 1500-2499..	6.8	14.5	6.2	6.9	6.0	8.3	8.8	14.3	50.0	-
% 2500-4499..	90.3	81.8	91.0	90.7	91.0	87.3	87.7	85.7	50.0	-
% 4500 & OVER	1.6	-	1.4	1.5	2.2	1.7	2.1	.0	-	-

1/ Data or computation error.
- QUANTITY IS ZERO

TABLE 2-7. BIRTHS TO UNWED MOTHERS BY COUNTY OF RESIDENCE, OREGON, 1988

COUNTY OF RESIDENCE	TOTAL BIRTHS	NUMBER UNWED	RATE UNWED 1/
TOTAL	39,850	9,377	235.3
BAKER	185	37	200.0
BENTON	864	122	141.2-
CLACKAMAS	3,573	602	168.5
CLATSOP	421	93	220.9
COLUMBIA	491	96	195.5-
COOS	775	214	276.1+
CROOK	216	44	203.7
CURRY	217	38	175.1-
DESCHUTES	980	206	210.2
DOUGLAS	1,278	313	244.9
GILLIAM	15	3	200.0
GRANT	97	16	164.9
HARNEY	117	20	170.9
HOOD RIVER	281	58	206.4
JACKSON	1,910	486	254.5
JEFFERSON	297	96	323.2+
JOSEPHINE	840	234	278.6+
KLAMATH	822	239	290.8+
LAKE	107	26	243.0
LANE	3,815	912	239.1
LINCOLN	478	116	242.7
LINN	1,313	333	253.6
MALHEUR	456	95	208.3
MARION	3,430	903	263.3+
MORROW	99	29	292.9
MULTNOMAH	8,911	2,583	289.9+
POLK	624	151	242.0
SHERMAN	22	4	181.8
TILLAMOOK	247	71	287.4
UMATILLA	814	229	281.3+
UNION	316	59	186.7-
WALLOWA	89	15	168.5
WASCO	283	75	265.0
WASHINGTON	4,534	643	141.8-
WHEELER	10	2	200.0
YAMHILL	923	214	231.9

1/ ALL RATES PER 1,000 BIRTHS
NOTE: SYMBOL - DENOTES RATE IS SIGNIFICANTLY LESS THAN STATE RATE
SYMBOL + DENOTES RATE IS SIGNIFICANTLY GREATER THAN STATE RATE

TABLE 2-8. RESIDENT BIRTHS BY AGE OF MOTHER AND LIVE BIRTH ORDER, OREGON, 1988

LIVE BIRTH ORDER	TOTAL	AGE OF MOTHER								
		< 15	15-19	20-24	25-29	30-34	35-39	40-44	45+	N.S.
TOTAL..........	39,850	57	4,496	10,847	12,477	8,436	3,055	469	11	2
FIRST..........	15,563	55	3,524	5,010	4,083	2,156	658	77	-	-
SECOND.........	13,346	2	818	3,907	4,571	2,994	944	109	1	-
THIRD..........	6,739	-	128	1,438	2,498	1,862	707	105	1	-
FOURTH.........	2,531	-	20	360	893	844	350	62	2	-
FIFTH..........	885	-	-	82	276	325	169	31	2	-
SIXTH..........	370	-	-	14	87	129	112	25	3	-
SEVENTH........	131	-	-	-	15	42	54	20	-	-
EIGHTH.........	63	-	-	1	7	19	22	14	-	-
NINTH +........	81	-	-	-	4	23	29	23	2	-
N.S............	141	-	6	35	43	42	10	3	-	2

- QUANTITY IS ZERO

TABLE 2-9. TOTAL PREGNANCIES BY TYPE OF OUTCOME AND AGE GROUPS, OREGON RESIDENCE/1, 1988

TYPE OF OUTCOME	TOTAL	AGE OF MOTHER								
		<15	15-19	20-24	25-29	30-34	35-39	40-44	45+	N.S.
TOTAL	52,495	126	8,112	15,096	15,261	10,133	3,945	646	23	53
LIVE BIRTHS	38,950	57	4,496	10,847	12,477	8,436	3,055	469	11	2
Percent	74.2	45.2	55.4	71.8	81.7	83.3	77.5	72.6	47.8	3.8
FETAL DEATHS	235	-	30	57	56	48	41	2	-	1
Percent	0.4	0.0	0.4	0.4	0.4	0.5	1.0	0.3	-	1.9
INDUCED ABORTIONS	13,310	69	3,586	4,192	2,728	1,649	849	175	12	50
Percent	25.4	54.8	44.2	27.8	17.9	16.3	21.5	27.1	52.2	94.3

- Quantity is zero.

/1 Induced abortion data are available by Oregon occurrence only.

TABLE 2-10. RESIDENT BIRTHS BY AGE OF MOTHER AND COUNTY OF RESIDENCE RESIDENCE, OREGON, 1988

COUNTY OF RESIDENCE	TOTAL BIRTHS	MOTHERS AGE								
		< 15	15-19	20-24	25-29	30-34	35-39	40-44	45 +	N.S.
TOTAL......	39,850	57	4,496	10,847	12,477	8,436	3,055	469	11	2
BAKER......	185	-	25	53	51	39	14	3	-	-
BENTON.....	864	-	49	186	277	247	92	13	-	-
CLACKAMAS..	3,573	3	292	866	1,163	880	308	61	-	-
CLATSOP....	421	-	53	118	127	88	32	3	-	-
COLUMBIA...	491	1	57	140	175	90	25	3	-	-
COOS.......	775	-	108	243	249	126	38	10	1	-
CROOK......	216	-	44	76	58	29	8	1	-	-
CURRY......	217	1	29	75	66	29	16	1	-	-
DESCHUTES..	980	1	114	284	284	200	81	15	1	-
DOUGLAS....	1,278	3	198	430	372	205	65	5	-	-
GILLIAM....	15	-	1	6	3	5	-	-	-	-
GRANT......	97	-	8	29	28	21	11	-	-	-
HARNEY.....	117	-	11	38	34	26	8	-	-	-
HOOD RIVER.	281	-	23	86	86	66	17	3	-	-
JACKSON....	1,910	2	250	614	527	354	143	18	2	-
JEFFERSON..	297	-	58	101	70	52	15	1	-	-
JOSEPHINE..	840	1	124	264	219	157	59	15	-	1
KLAMATH....	822	2	138	242	259	136	38	6	1	-
LAKE.......	107	-	19	35	29	19	5	-	-	-
LANE.......	3,815	3	431	1,004	1,215	793	328	41	-	-
LINCOLN....	478	1	54	140	140	92	45	5	1	-
LINN.......	1,313	1	201	435	385	211	61	19	-	-
MALHEUR....	456	2	67	149	134	61	33	9	-	1
MARION.....	3,430	2	456	1,001	1,046	631	250	43	1	-
MORROW.....	99	-	21	25	24	18	9	2	-	-
MULTNOMAH..	8,911	19	944	2,206	2,828	2,029	774	108	3	-
POLK.......	624	2	68	185	198	112	51	8	-	-
SHERMAN....	22	-	2	4	9	5	1	1	-	-
TILLAMOOK..	247	-	33	73	78	42	21	-	-	-
UMATILLA...	814	2	118	268	211	166	43	6	-	-
UNION......	316	1	33	98	98	60	22	3	1	-
WALLOWA....	89	-	8	18	40	14	9	-	-	-
WASCO......	283	-	41	90	83	54	12	3	-	-
WASHINGTON.	4,534	8	303	999	1,606	1,201	361	56	-	-
WHEELER....	10	-	4	1	3	2	-	-	-	-
YAMHILL....	923	2	111	265	302	176	60	7	-	-

- QUANTITY IS ZERO

TABLE 2-11. RESIDENT BIRTHS TO UNWED MOTHERS BY AGE OF MOTHER AND COUNTY OF RESIDENCE, OREGON, 1988

COUNTY OF RESIDENCE	TOTAL	MOTHERS AGE							
		< 15	15-19	20-24	25-29	30-34	35-39	40-44	45 +
TOTAL......	9,377	55	2,834	3,291	1,931	867	341	56	2
BAKER......	37	-	15	10	5	6	1	-	-
BENTON.....	122	-	31	51	22	11	7	-	-
CLACKAMAS..	602	3	169	234	108	60	24	4	-
CLATSOP....	93	-	25	35	17	12	4	-	-
COLUMBIA...	96	1	27	39	15	10	4	-	-
COOS.......	214	-	68	67	50	18	8	3	-
CROOK......	44	-	22	12	6	3	1	-	-
CURRY......	38	1	13	12	6	4	2	-	-
DESCHUTES..	206	1	68	73	35	20	7	2	-
DOUGLAS....	313	3	105	104	63	28	10	-	-
GILLIAM....	3	-	-	2	-	1	-	-	-
GRANT......	16	-	4	7	2	2	1	-	-
HARNEY.....	20	-	3	11	1	2	3	-	-
HOOD RIVER.	58	-	15	23	11	9	-	-	-
JACKSON....	486	2	150	174	107	36	15	2	-
JEFFERSON..	96	-	35	29	18	10	3	1	-
JOSEPHINE..	234	1	65	82	46	24	10	6	-
KLAMATH....	239	2	79	79	48	26	5	-	-
LAKE.......	26	-	10	11	5	-	-	-	-
LANE.......	912	3	272	293	210	88	41	5	-
LINCOLN....	116	1	31	44	20	13	5	2	-
LINN.......	333	1	122	122	53	24	6	5	-
MALHEUR....	95	2	27	36	22	5	1	2	-
MARION.....	903	2	293	321	169	82	32	3	1
MORROW.....	29	-	11	10	5	1	2	-	-
MULTNOMAH..	2,583	18	734	883	595	245	97	11	-
POLK.......	151	2	45	72	16	11	5	-	-
SHERMAN....	4	-	2	2	-	-	-	-	-
TILLAMOOK..	71	-	22	21	14	7	7	-	-
UMATILLA...	229	2	78	82	36	26	4	1	-
UNION......	59	1	15	17	17	5	2	1	1
WALLOWA....	15	-	3	4	6	1	1	-	-
WASCO......	75	-	23	26	17	5	4	-	-
WASHINGTON.	643	7	183	216	147	60	24	6	-
WHEELER....	2	-	2	-	-	-	-	-	-
YAMHILL....	214	2	67	87	39	12	5	2	-

- QUANTITY IS ZERO

TABLE 2-12. RESIDENT BIRTHS BY SEX AND RACE OF CHILD AND COUNTY OF RESIDENCE, OREGON 1988

COUNTY OF RESIDENCE	TOTAL BIRTHS	MALE	FEMALE	RACE OF CHILD				
				WHITE 1/	AFRICAN AMERICAN	INDIAN	OTHER NON-WHITE	N.S.
TOTAL......	39,850	20,400	19,450	36,548	1,090	786	1,417	9
BAKER......	185	82	103	178	-	5	2	-
BENTON.....	864	459	405	790	7	6	61	-
CLACKAMAS..	3,573	1,847	1,726	3,446	24	29	72	2
CLATSOP....	421	215	206	407	2	4	8	-
COLUMBIA...	491	256	235	481	-	8	2	-
COOS.......	775	403	372	739	1	22	12	1
CROOK......	216	99	117	214	-	2	-	-
CURRY......	217	112	105	206	2	4	5	-
DESCHUTES..	980	500	480	948	2	15	15	-
DOUGLAS....	1,278	620	658	1,243	4	20	11	-
GILLIAM....	15	5	10	15	-	-	-	-
GRANT......	97	51	46	95	-	1	1	-
HARNEY.....	117	56	61	113	-	4	-	-
HOOD RIVER.	281	147	134	274	2	5	-	-
JACKSON....	1,910	963	947	1,844	6	33	26	1
JEFFERSON..	297	151	146	179	-	116	2	-
JOSEPHINE..	840	423	417	808	5	18	9	-
KLAMATH....	822	412	410	724	9	70	19	-
LAKE.......	107	55	52	103	-	2	2	-
LANE.......	3,815	1,928	1,887	3,624	33	49	108	1
LINCOLN....	478	244	234	459	3	12	4	-
LINN.......	1,313	642	671	1,277	8	11	17	-
MALHEUR....	456	219	237	432	3	7	13	1
MARION.....	3,430	1,803	1,627	3,232	37	67	94	-
MORROW.....	99	42	57	98	-	1	-	-
MULTNOMAH..	8,911	4,599	4,312	7,302	866	119	621	3
POLK.......	624	339	285	589	7	19	9	-
SHERMAN....	22	13	9	22	-	-	-	-
TILLAMOOK..	247	120	127	238	-	7	2	-
UMATILLA...	814	427	387	741	8	48	17	-
UNION......	316	173	143	300	2	4	10	-
WALLOWA....	89	30	59	87	-	-	2	-
WASCO......	283	146	137	259	-	18	6	-
WASHINGTON.	4,534	2,331	2,203	4,189	56	41	248	-
WHEELER....	10	6	4	10	-	-	-	-
YAMHILL....	923	482	441	882	3	19	19	-

- QUANTITY IS ZERO
1/ INCLUDES HISPANIC

TABLE 2-13. BIRTHS BY COUNTY OF OCCURRENCE BY TYPE OF INSTITUTION BY DELIVERY ATTENDANT, OREGON, 1988

COUNTY OF OCCURENCE	TOTAL	BORN IN HOSPITAL OR ON ARRIVAL							
		TOTAL	M.D.	D.O.	N.D.	CNM	R.N.	OTHER LICENSED MEDICAL	NON-MEDICAL
TOTAL......	41,345	40,128	36,623	1,273	1	2,133	72	11	15
BAKER......	132	129	129	-	-	-	-	-	-
BENTON.....	1,069	1,019	931	83	-	-	4	1	-
CLACKAMAS..	2,627	2,476	2,409	24	-	42	1	-	-
CLATSOP....	487	474	471	1	-	-	2	-	-
COLUMBIA...	69	58	57	-	-	-	-	1	-
COOS.......	766	741	719	-	-	21	1	-	-
CROOK......	122	118	116	1	-	1	-	-	-
CURRY......	105	74	8	29	-	37	-	-	-
DESCHUTES..	1,254	1,207	1,181	22	-	-	-	2	2
DOUGLAS....	1,201	1,178	875	116	-	184	3	-	-
GILLIAM....	-	-	-	-	-	-	-	-	-
GRANT......	83	74	72	-	-	-	2	-	-
HARNEY.....	45	45	44	-	-	-	1	-	-
HOOD RIVER.	266	255	239	15	-	-	1	-	-
JACKSON....	2,047	1,994	1,516	72	-	397	7	2	-
JEFFERSON..	217	211	210	1	-	-	-	-	-
JOSEPHINE..	861	801	793	1	-	-	6	-	1
KLAMATH....	827	819	692	11	-	115	-	-	1
LAKE.......	94	94	91	-	-	-	3	-	-
LANE.......	3,975	3,769	3,072	29	1	656	6	1	4
LINCOLN....	313	307	306	1	-	-	-	-	-
LINN.......	1,092	1,049	941	4	-	103	1	-	-
MALHEUR....	619	615	614	-	-	-	1	-	-
MARION.....	3,460	3,377	3,375	2	-	-	-	-	-
MORROW	-	-	-	-	-	-	-	-	-
MULTNOMAH..	13,484	13,256	12,487	295	-	462	3	4	5
POLK.......	266	248	48	199	-	1	-	-	-
SHERMAN....	1	-	-	-	-	-	-	-	-
TILLAMOOK..	168	166	166	-	-	-	-	-	-
UMATILLA...	719	709	694	3	-	-	12	-	-
UNION......	390	377	373	-	-	-	4	-	-
WALLOWA....	48	46	46	-	-	-	-	-	-
WASCO......	316	315	168	147	-	-	-	-	-
WASHINGTON.	3.522	3,450	3,158	217	-	66	8	-	1
WHEELER....	2	-	-	-	-	-	-	-	-
YAMHILL....	698	677	622	-	-	48	6	-	1

TABLE 2-13. BIRTHS BY COUNTY OF OCCURRENCE BY TYPE OF INSTITUTION BY DELIVERY ATTENDANT, OREGON, 1988

COUNTY OF OCCURENCE	BORN NOT IN HOSPITAL									
	TOTAL	M.D.	D.O.	N.D.	D.C.	CNM	R.N.	MID-WIFE	OTHER LICENSED MEDICAL	NON-MEDICAL
TOTAL......	1,217	33	1	196	18	259	39	496	12	163
BAKER......	3	-	-	-	-	-	-	3	-	-
BENTON.....	50	-	-	4	-	1	-	42	-	3
CLACKAMAS..	151	2	-	15	5	70	-	31	1	27
CLATSOP....	13	1	-	2	-	-	-	8	-	2
COLUMBIA...	11	1	-	-	1	4	-	2	-	3
COOS.......	25	1	-	2	-	1	1	16	-	4
CROOK......	4	-	-	1	-	1	-	-	-	2
CURRY......	31	-	-	-	-	26	-	1	-	4
DESCHUTES..	47	-	-	38	-	-	-	3	1	5
DOUGLAS....	23	1	-	-	-	-	1	15	-	6
GILLIAM....	-	-	-	-	-	-	-	-	-	-
GRANT......	9	-	-	-	-	-	-	7	-	2
HARNEY.....	-	-	-	-	-	-	-	-	-	-
HOOD RIVER.	11	-	-	5	1	-	-	-	-	5
JACKSON....	53	-	-	16	1	-	-	27	1	8
JEFFERSON..	6	-	-	1	-	-	-	2	-	3
JOSEPHINE..	60	3	-	4	-	2	1	39	1	10
KLAMATH....	8	-	1	-	-	1	-	3	-	3
LAKE.......	-	-	-	-	-	-	-	-	-	-
LANE.......	206	15	-	-	-	118	33	32	-	8
LINCOLN....	6	-	-	1	-	-	-	4	-	1
LINN.......	43	-	-	2	-	1	1	34	1	4
MALHEUR....	4	-	-	-	-	-	-	1	-	3
MARION.....	83	2	-	2	1	4	-	43	1	30
MORROW.....	-	-	-	-	-	-	-	-	-	-
MULTNOMAH..	228	5	-	85	7	16	1	92	4	18
POLK.......	18	-	-	-	-	1	-	15	1	1
SHERMAN....	1	-	-	-	-	-	-	-	-	1
TILLAMOOK..	2	-	-	-	-	-	-	1	-	1
UMATILLA...	10	1	-	-	-	-	-	9	-	-
UNION......	13	-	-	-	1	4	-	7	-	1
WALLOWA....	2	-	-	-	-	-	-	2	-	-
WASCO......	1	-	-	-	-	-	-	-	1	-
WASHINGTON.	72	-	-	17	-	8	1	42	-	4
WHEELER....	2	-	-	1	-	-	-	-	-	1
YAMHILL....	21	1	-	-	1	1	-	15	-	3

TABLE 2-14. LOW BIRTH WEIGHT INFANTS BY COUNTY OF RESIDENCE, OREGON, 1988

COUNTY OF RESIDENCE	TOTAL	LOW BIRTH WEIGHT INFANTS			RATE FOR ALL LOW BIRTH WEIGHT 1/	RATE FOR 1499 GRAMS OR LESS	RATE FOR 1500 TO 2499 GRAMS
		TOTAL LOW BIRTH WEIGHT	1499 GR. OR LESS	1500-2499 GRAMS			
TOTAL......	39,850	2,096	314	1,782	52.6	7.9	44.7
BAKER......	185	12	-	12	64.9	.0	64.9
BENTON.....	864	23	3	20	26.6	3.5	23.1
CLACKAMAS..	3,573	181	25	156	50.7	7.0	43.7
CLATSOP....	421	13	6	7	30.9	14.3	16.6
COLUMBIA...	491	24	4	20	48.9	8.1	40.7
COOS.......	775	39	8	31	50.4	10.3	40.1
CROOK......	216	8	-	8	37.0	.0	37.0
CURRY......	217	7	-	7	32.4	.0	32.4
DESCHUTES..	980	43	9	34	43.9	9.2	34.7
DOUGLAS....	1,278	72	10	62	56.3	7.8	48.5
GILLIAM....	15	-	-	-	.0	.0	.0
GRANT......	97	3	1	2	30.9	10.3	20.6
HARNEY.....	117	8	1	7	68.4	8.5	59.8
HOOD RIVER.	281	20	1	19	71.2	3.6	67.6
JACKSON....	1,910	99	16	83	51.8	8.4	43.5
JEFFERSON..	297	21	5	16	70.7	16.8	53.9
JOSEPHINE..	840	34	6	28	40.5	7.2	33.4
KLAMATH....	822	50	9	41	60.9	11.0	49.9
LAKE.......	107	8	-	8	74.8	.0	74.8
LANE.......	3,815	172	33	139	45.1	8.7	36.4
LINCOLN....	478	19	3	16	39.7	6.3	33.5
LINN.......	1,313	69	7	62	52.6	5.3	47.2
MALHEUR....	456	20	5	15	44.0	11.0	33.0
MARION.....	3,430	170	24	146	49.6	7.0	42.6
MORROW.....	99	3	-	3	30.3	.0	30.3
MULTNOMAH..	8,911	601	82	519	67.5+	9.2	58.3
POLK.......	624	35	5	30	56.1	8.0	48.1
SHERMAN....	22	-	-	-	.0	.0	.0
TILLAMOOK..	247	13	-	13	52.6	.0	52.6
UMATILLA...	814	40	5	35	49.1	6.1	43.0
UNION......	316	13	2	11	41.1	6.3	34.8
WALLOWA....	89	2	-	2	22.5	.0	22.5
WASCO......	283	11	2	9	38.9	7.1	31.8
WASHINGTON.	4,534	208	32	176	45.9	7.1	38.8
WHEELER....	10	-	-	-	.0	.0	.0
YAMHILL....	923	55	10	45	59.6	10.8	48.8

- QUANTITY IS ZERO
1/ ALL RATES PER 1,000 BIRTHS
NOTE: SYMBOL - DENOTES RATE IS SIGNIFICANTLY LESS THAN STATE RATE
SYMBOL + DENOTES RATE IS SIGNIFICANTLY GREATER THAN STATE RATE

TABLE 2-15. RESIDENT BIRTHS BY RACE OF CHILD AND BIRTHWEIGHT, OREGON, 1988

BIRTH-WEIGHT (IN GRAMS)	TOTAL	RACE OF CHILD				
		WHITE	HISPANIC	AFRICAN AMERICAN	INDIAN	CHINESE
TOTAL..........	39,850	34,376	2,172	1,090	786	228
499 & LESS.....	25	22	-	1	1	-
500-999........	133	110	8	7	5	-
1000-1499......	156	135	6	6	2	1
1500-1999......	395	311	28	28	9	3
2000-2499......	1,387	1,152	68	86	27	2
2500-2999......	5,157	4,173	356	257	103	45
3000-3499......	13,602	11,568	777	380	266	107
3500-3999......	13,371	11,833	669	252	261	58
4000-4499......	4,553	4,091	216	61	98	8
4500-4999......	955	880	36	10	12	4
5000 & OVER....	105	94	8	2	1	-
UNKNOWN........	11	7	-	-	1	-

BIRTH-WEIGHT (IN GRAMS)	RACE OF CHILD					
	JAPANESE	HAWAIIAN	FILIPINO	OTHER ASIAN & P.I.	OTHER NON-WHITE	N.S.
TOTAL..........	183	51	151	773	31	9
499 & LESS.....	-	-	1	-	-	-
500-999........	-	-	-	3	-	-
1000-1499......	-	1	1	4	-	-
1500-1999......	-	2	7	7	-	-
2000-2499......	8	2	5	35	2	-
2500-2999......	36	6	30	144	7	-
3000-3499......	71	19	53	344	13	4
3500-3999......	50	15	36	186	9	2
4000-4499......	16	4	14	45	-	-
4500-4999......	2	2	4	5	-	-
5000 & OVER....	-	-	-	-	-	-
UNKNOWN........	-	-	-	-	-	3

- QUANTITY IS ZERO

TABLE 2-16. CONGENITAL MALFORMATIONS REPORTED ON BIRTH CERTIFICATES BY COUNTY OF RESIDENCE, OREGON, 1988

COUNTY OF RESIDENCE	TOTAL	NERVOUS SYSTEM AND SENSE ORGANS				CIRCULATORY SYSTEM		DIGESTIVE SYSTEM		
		ANENCEPHALUS	SPINA BIFIDA	OTHER NERVOUS SYSTEM	SENSE ORGANS	HEART	OTHER	CLEFT PALATE AND/OR LIP	UPPER ALIMENTARY TRACT	OTHER
TOTAL......	412	5	8	9	13	19	3	29	7	16
BAKER......	4	-	1	-	-	-	-	-	-	-
BENTON.....	11	-	1	-	-	1	-	-	-	-
CLACKAMAS..	30	-	1	1	-	1	-	5	1	1
CLATSOP....	10	-	-	-	-	-	-	1	-	-
COLUMBIA...	3	-	-	-	-	-	-	-	-	-
COOS.......	13	-	-	-	-	-	-	-	-	2
CROOK......	4	-	-	-	-	-	-	-	-	-
CURRY......	-	-	-	-	-	-	-	-	-	-
DESCHUTES..	25	-	-	1	-	-	1	1	-	1
DOUGLAS....	10	-	-	-	1	-	-	1	-	-
GILLIAM....	-	-	-	-	-	-	-	-	-	-
GRANT......	-	-	-	-	-	-	-	-	-	-
HARNEY.....	4	-	-	-	-	-	-	-	-	-
HOOD RIVER.	3	-	-	-	-	-	-	-	-	-
JACKSON....	10	1	-	1	-	-	-	2	-	-
JEFFERSON..	3	-	-	-	-	-	-	1	-	-
JOSEPHINE..	12	-	-	-	-	-	1	-	-	1
KLAMATH....	10	-	-	-	1	1	-	1	-	-
LAKE.......	2	-	-	-	-	-	-	-	-	-
LANE.......	27	-	-	-	1	2	1	3	-	1
LINCOLN....	8	-	-	-	-	-	-	-	-	-
LINN.......	12	-	-	-	1	1	-	1	-	2
MALHEUR....	5	-	1	-	-	-	-	1	1	-
MARION.....	41	-	2	-	4	2	-	-	1	1
MORROW.....	14	-	-	-	-	1	-	-	1	-
MULTNOMAH..	57	2	1	3	-	5	-	8	1	3
POLK.......	6	-	-	-	1	1	-	-	-	-
SHERMAN....	-	-	-	-	-	-	-	-	-	-
TILLAMOOK..	3	-	-	-	-	-	-	1	-	-
UMATILLA...	21	-	-	-	3	1	-	-	-	-
UNION......	6	1	-	-	-	1	-	-	-	-
WALLOWA....	4	-	-	-	-	-	-	-	1	-
WASCO......	2	-	-	-	-	-	-	-	-	-
WASHINGTON.	45	1	1	3	1	2	-	3	-	4
WHEELER....	-	-	-	-	-	-	-	-	-	-
YAMHILL....	7	-	-	-	-	-	-	-	1	-

- QUANTITY IS ZERO

TABLE 2-16. CONGENITAL MALFORMATIONS REPORTED ON BIRTH CERTIFICATE BY COUNTY OF RESIDENCE, OREGON, 1988

COUNTY OF RESIDENCE	GENITO-URINARY SYSTEM			MUSCULOSKELATAL SYSTEM					OTHER SPECIFIED SITES			MULTIPLE SITES
	HYPOSPADIAS	OTHER GENITAL ORGANS	URINARY ORGANS	CLUBFOOT	POLYDACTYLY	SYNDACTYLY	CONGENITAL DISLOCATION OF HIP	OTHER	DOWN SYNDROME	SKIN	OTHER SPECIFIED SITES	
TOTAL......	20	13	11	19	16	17	14	61	19	30	78	5
BAKER......	-	-	-	-	-	1	-	-	1	-	-	1
BENTON.....	1	-	-	2	-	-	-	3	-	2	1	-
CLACKAMAS..	-	-	2	-	2	1	1	9	-	1	3	1
CLATSOP....	2	1	-	-	1	-	1	-	-	-	4	-
COLUMBIA...	-	-	-	-	1	-	-	1	1	-	-	-
COOS.......	1	2	1	1	-	1	-	3	-	1	1	-
CROOK......	-	-	-	-	-	-	1	-	-	-	3	-
CURRY......	-	-	-	-	-	-	-	-	-	-	-	-
DESCHUTES..	3	1	1	1	2	1	2	4	-	2	4	-
DOUGLAS....	-	-	-	-	-	-	-	-	1	2	3	2
GILLIAM....	-	-	-	-	-	-	-	-	-	-	-	-
GRANT......	-	-	-	-	-	-	-	-	-	-	-	-
HARNEY.....	-	-	-	-	-	-	-	1	1	2	-	-
HOOD RIVER.	1	-	-	-	-	-	-	-	-	-	2	-
JACKSON....	-	-	-	1	-	-	-	1	-	-	4	-
JEFFERSON..	-	-	-	-	-	-	-	-	-	-	2	-
JOSEPHINE..	-	2	-	-	1	-	-	3	2	1	1	-
KLAMATH....	1	-	1	-	1	-	-	-	1	1	2	-
LAKE.......	-	-	-	1	-	-	-	-	-	-	1	-
LANE.......	1	-	-	1	2	-	-	6	2	1	6	-
LINCOLN....	2	-	-	-	-	-	-	2	-	1	3	-
LINN.......	1	-	1	-	-	2	-	2	-	-	1	-
MALHEUR....	1	-	-	-	-	-	-	-	-	1	-	-
MARION.....	1	2	1	4	1	2	3	7	3	-	7	-
MORROW.....	-	1	-	1	1	-	-	-	-	8	1	-
MULTNOMAH..	1	1	-	4	2	4	1	10	4	1	6	-
POLK.......	1	-	-	-	-	-	-	1	-	-	2	-
SHERMAN....	-	-	-	-	-	-	-	-	-	-	-	-
TILLAMOOK..	1	-	-	-	-	-	-	1	-	-	-	-
UMATILLA...	-	2	1	-	1	1	-	1	-	-	11	-
UNION......	1	-	-	1	-	-	-	-	-	-	2	-
WALLOWA....	-	1	1	-	-	-	-	-	-	1	-	-
WASCO......	-	-	-	-	-	-	-	-	1	1	-	-
WASHINGTON.	1	-	2	1	1	4	4	5	2	3	6	1
WHEELER....	-	-	-	-	-	-	-	-	-	-	-	-
YAMHILL....	-	-	-	1	-	-	1	1	-	1	2	-

- QUANTITY IS ZERO

TABLE 2-17. COMPLICATIONS OF PREGNANCY BY COUNTY OF RESIDENCE, OREGON RESIDENT BIRTHS, 1988

COUNTY OF RESIDENCE	TOTAL BIRTHS	PERCENT WITH COMPLI-CATIONS	COMPLICATION			
			PRE-ECLAMPSIA	ANEMIA	HEMORRHAGE OF PREGNANCY	ECLAMPSIA
TOTAL	39,850	7.9	517	309	125	6
BAKER	185	8.6	6	1	1	-
BENTON	864	10.8	8	15	5	-
CLACKAMAS	3,573	5.8	34	10	2	-
CLATSOP	421	6.9	3	6	1	-
COLUMBIA	491	6.9	9	-	1	-
COOS	775	10.3	25	1	-	-
CROOK	216	10.2	5	2	-	-
CURRY	217	13.4	3	-	-	-
DESCHUTES	980	13.1	6	15	3	-
DOUGLAS	1,278	4.5	10	4	3	-
GILLIAM	15	13.3	1	-	-	-
GRANT	97	5.2	-	1	-	-
HARNEY	117	6.0	-	-	1	-
HOOD RIVER	281	6.4	3	2	-	-
JACKSON	1,910	6.0	11	40	6	-
JEFFERSON	297	9.4	5	2	1	-
JOSEPHINE	840	11.2	15	8	10	-
KLAMATH	822	9.0	10	9	-	-
LAKE	107	11.2	2	-	3	-
LANE	3,815	9.9	51	39	9	1
LINCOLN	478	12.8	8	7	-	-
LINN	1,313	11.5	26	28	5	-
MALHEUR	456	14.7	7	27	1	-
MARION	3,430	5.9	55	6	4	1
MORROW	99	21.2	2	3	-	-
MULTNOMAH	8,911	5.8	92	31	30	1
POLK	624	7.5	10	-	1	-
SHERMAN	22	9.1	1	-	-	-
TILLAMOOK	247	9.3	14	1	-	-
UMATILLA	814	16.2	12	12	5	1
UNION	316	4.4	6	3	-	-
WALLOWA	89	3.4	1	-	-	-
WASCO	283	13.8	16	3	1	-
WASHINGTON	4,534	7.6	47	21	27	1
WHEELER	10	10.0	-	-	-	-
YAMHILL	923	9.3	13	12	5	1

- QUANTITY IS ZERO

TABLE 2-17. COMPLICATIONS OF PREGNANCY, OREGON, 1988, CONTINUED

COUNTY OF RESIDENCE	COMPLICATION					
	POLY-HYDRAMINIOS	POST-DATES (>42 WEEKS)	INCOMPETENT CERVIX	GESTATIONAL DIA BETES	OTHER	MULT-IPLE OF THOSE LISTED
TOTAL......	44	374	88	567	935	170
BAKER......	-	2	2	1	3	-
BENTON.....	-	20	1	22	17	5
CLACKAMAS..	1	10	7	58	79	8
CLATSOP....	1	2	-	4	8	4
COLUMBIA...	-	3	1	7	9	4
COOS.......	2	2	1	15	27	7
CROOK......	-	1	-	7	7	-
CURRY......	-	6	1	2	16	1
DESCHUTES..	1	16	3	16	63	5
DOUGLAS....	1	8	4	12	14	1
GILLIAM....	-	1	-	-	-	-
GRANT......	-	1	1	1	-	1
HARNEY.....	-	2	-	-	4	-
HOOD RIVER.	-	5	-	4	3	1
JACKSON....	-	8	2	11	29	7
JEFFERSON..	-	5	1	3	10	1
JOSEPHINE..	-	-	-	29	29	3
KLAMATH....	3	14	2	7	26	3
LAKE.......	-	3	-	-	4	-
LANE.......	6	80	7	45	124	16
LINCOLN....	-	15	-	7	17	7
LINN.......	2	36	-	18	30	6
MALHEUR....	1	9	-	6	11	5
MARION.....	2	36	6	20	60	13
MORROW.....	-	5	-	6	2	3
MULTNOMAH..	8	29	24	127	157	14
POLK.......	-	7	-	9	15	5
SHERMAN....	-	-	-	-	1	-
TILLAMOOK..	-	-	1	4	1	2
UMATILLA...	2	26	3	24	29	18
UNION......	-	1	-	-	3	1
WALLOWA....	-	-	-	1	1	-
WASCO......	1	4	1	3	9	1
WASHINGTON.	12	15	18	86	97	19
WHEELER....	-	-	-	-	1	-
YAMHILL....	1	2	2	12	29	9

- QUANTITY IS ZERO

TABLE 2-18. CONCURRENT ILLNESS DURING GESTATION BY COUNTY OF RESIDENCE, OREGON, 1988

COUNTY OF RESIDENCE	TOTAL BIRTHS	PERCENT WITH ILLNESS	CONCURRENT ILLNESS							
			CHRONIC HYPER-TENSION	RH SENSI-TIZATION	HERPES	DIA-BETES	ACUTE URINARY TRACT INFECTION	SYPH-ILIS	THY-ROID DISE-ASE	RU-BELLA
TOTAL......	39,850	4.7	172	287	264	97	173	22	45	2
BAKER......	185	3.8	-	-	-	1	-	-	-	-
BENTON.....	864	4.9	1	-	12	-	6	-	1	-
CLACKAMAS..	3,573	3.0	9	15	28	10	3	-	4	-
CLATSOP....	421	7.4	2	9	4	-	1	1	1	-
COLUMBIA...	491	4.1	3	3	1	-	6	-	-	-
COOS.......	775	12.8	3	68	6	2	1	-	-	-
CROOK......	216	3.7	1	-	-	-	3	-	-	-
CURRY......	217	4.6	1	3	-	1	2	-	-	-
DESCHUTES..	980	8.3	5	4	13	1	8	1	-	-
DOUGLAS....	1,278	3.1	5	-	6	-	8	-	1	-
GILLIAM....	15	13.3	-	-	-	1	-	-	-	-
GRANT......	97	2.1	-	-	1	-	-	-	-	-
HARNEY.....	117	3.4	-	1	-	-	-	-	-	-
HOOD RIVER.	281	2.5	2	-	-	1	1	-	-	-
JACKSON....	1,910	3.2	8	1	8	3	6	-	-	1
JEFFERSON..	297	8.1	3	1	3	-	1	-	1	-
JOSEPHINE..	840	9.2	15	-	10	3	4	1	4	-
KLAMATH....	822	3.0	6	-	1	-	2	-	-	-
LAKE.......	107	6.5	-	5	-	1	-	-	-	-
LANE.......	3,815	3.6	19	3	20	15	17	1	4	-
LINCOLN....	478	7.9	5	3	7	3	6	1	2	-
LINN.......	1,313	6.2	3	1	14	2	12	1	3	1
MALHEUR....	456	7.2	-	-	3	-	14	2	-	-
MARION.....	3,430	3.5	14	4	20	10	10	3	4	-
MORROW.....	99	20.2	2	9	-	-	7	-	-	-
MULTNOMAH..	8,911	4.5	32	59	69	19	17	7	8	-
POLK.......	624	2.7	1	-	3	1	1	-	2	-
SHERMAN....	22	9.1	-	-	-	1	-	-	-	-
TILLAMOOK..	247	2.4	-	1	3	-	1	-	-	-
UMATILLA...	814	14.7	4	41	5	3	21	1	3	-
UNION......	316	4.1	3	5	-	2	1	-	1	-
WALLOWA....	89	5.6	1	1	1	-	1	-	-	-
WASCO......	283	4.9	1	-	1	2	1	1	1	-
WASHINGTON.	4,534	3.7	20	47	22	12	7	1	4	-
WHEELER....	10	.0	-	-	-	-	-	-	-	-
YAMHILL....	923	3.7	3	3	3	3	5	1	1	-

- QUANTITY IS ZERO

TABLE 2-18. CONCURRENT ILLNESS DURING GESTATION, OREGON, 1988, CONTINUED

COUNTY OF RESIDENCE	CONCURRENT ILLNESS										
	HEART DISEASE	ABDOMINAL SURGERY	COMPLICATIONS FROM IUD	CHRONIC RENAL DISEASE	MALIGNANT DISEASE	EPILEPSY	ALCOHOL ABUSE	DRUG ABUSE	ALCOHOL & DRUG ABUSE	OTHER	MULTIPLE OF THOSE LISTED
TOTAL......	53	30	3	4	8	55	14	243	39	294	62
BAKER......	1	-	-	-	-	2	-	-	-	3	-
BENTON.....	5	1	-	2	1	4	-	5	-	3	1
CLACKAMAS..	3	-	-	-	1	1	-	10	2	18	4
CLATSOP....	1	1	-	-	-	-	-	1	2	6	2
COLUMBIA...	1	-	-	-	-	1	-	3	-	1	1
COOS.......	1	2	-	-	-	-	-	8	-	4	4
CROOK......	-	-	-	-	1	2	-	-	-	1	-
CURRY......	-	-	-	-	-	-	-	-	-	2	1
DESCHUTES..	7	2	-	-	-	2	3	19	3	12	1
DOUGLAS....	-	2	-	-	-	2	1	7	-	7	-
GILLIAM....	1	-	-	-	-	-	-	-	-	-	-
GRANT......	-	-	-	-	-	-	-	-	-	1	-
HARNEY.....	-	-	1	-	-	-	-	-	-	2	-
HOOD RIVER.	-	-	-	-	-	-	1	-	-	2	-
JACKSON....	1	1	-	-	-	4	1	4	1	17	6
JEFFERSON..	-	-	1	-	1	1	-	3	2	7	-
JOSEPHINE..	7	-	-	-	-	2	-	16	2	12	1
KLAMATH....	1	1	-	-	-	-	-	8	1	4	1
LAKE.......	-	-	-	-	-	1	-	-	-	-	-
LANE.......	5	3	-	-	-	4	3	13	-	28	4
LINCOLN....	2	-	-	-	-	-	1	3	-	4	1
LINN.......	2	3	-	1	1	3	-	23	-	8	4
MALHEUR....	2	-	-	-	-	1	-	-	-	11	-
MARION.....	2	-	-	1	-	3	1	24	1	20	4
MORROW.....	-	-	-	-	-	-	-	-	-	2	-
MULTNOMAH..	4	7	-	-	3	8	3	78	22	56	10
POLK.......	-	1	-	-	-	-	-	5	-	3	-
SHERMAN....	1	-	-	-	-	-	-	-	-	-	-
TILLAMOOK..	-	-	-	-	-	-	-	-	-	1	-
UMATILLA...	-	1	1	-	-	5	-	6	-	19	10
UNION......	-	-	-	-	-	-	-	-	-	1	-
WALLOWA....	-	-	-	-	-	-	-	-	-	1	-
WASCO......	-	-	-	-	-	-	-	-	2	2	3
WASHINGTON.	6	3	-	-	-	7	-	4	1	28	4
WHEELER....	-	-	-	-	-	-	-	-	-	-	-
YAMHILL....	-	2	-	-	-	2	-	3	-	8	-

- QUANTITY IS ZERO

TABLE 2-19. MATERNAL RISK FACTORS BY COUNTY OF RESIDENCE, OREGON, 1988

COUNTY	LIVE BIRTHS	PERCENT							
		INADEQUATE CARE	UNDER 18 YEARS OF AGE	35 YEARS OR OLDER	4+ LIVE BIRTHS	NON-WHITE	LESS THAN 12 YEARS EDUCATION	UNWED	PLURAL BIRTH
TOTAL......	39,850	8.4	4.0	8.9	10.2	8.3	20.3	23.5	2.1
BAKER......	185	7.0	6.5	9.2	13.0	3.8	25.9	20.0	3.2
BENTON.....	864	3.7	1.6	12.2	8.9	8.6	9.5	14.1	2.2
CLACKAMAS..	3,573	6.8	2.9	10.3	9.2	3.5	14.9	16.8	2.0
CLATSOP....	421	7.1	4.0	8.3	10.7	3.3	19.0	22.1	1.0
COLUMBIA...	491	6.3	2.6	5.7	10.4	2.0	17.5	19.6	1.8
COOS.......	775	9.0	4.5	6.3	9.8	4.5	24.0	27.6	2.3
CROOK......	216	4.2	5.1	4.2	7.9	.9	25.5	20.4	.0
CURRY......	217	6.5	4.1	7.8	11.5	5.1	21.7	17.5	1.4
DESCHUTES..	980	8.1	3.6	9.9	8.5	3.3	18.3	21.0	1.4
DOUGLAS....	1,278	9.2	4.7	5.5	11.3	2.7	28.8	24.5	2.2
GILLIAM....	15	6.7	.0	.0	13.3	.0	20.0	20.0	.0
GRANT......	97	9.3	1.0	11.3	6.2	2.1	13.4	16.5	.0
HARNEY.....	117	14.5	5.1	6.8	15.4	3.4	18.8	17.1	2.6
HOOD RIVER.	281	9.3	1.4	7.1	10.3	2.5	26.7	20.6	3.9
JACKSON....	1,910	12.0	4.0	8.5	11.3	3.4	23.5	25.4	2.3
JEFFERSON..	297	10.1	8.1	5.4	18.5	39.7	39.4	32.3	3.7
JOSEPHINE..	840	16.0	5.1	8.8	11.4	3.8	25.4	27.9	2.1
KLAMATH....	822	12.8	7.2	5.5	12.4	11.9	28.2	29.1	1.5
LAKE.......	107	6.5	4.7	4.7	11.2	3.7	19.6	24.3	3.7
LANE.......	3,815	10.4	4.2	9.7	9.6	5.0	18.7	23.9	2.1
LINCOLN....	478	4.6	3.8	10.7	8.8	4.0	24.5	24.3	.8
LINN.......	1,313	10.0	5.0	6.1	10.1	2.7	24.7	25.4	2.4
MALHEUR....	456	10.3	5.9	9.2	18.6	5.0	34.2	20.8	.4
MARION.....	3,430	9.1	5.3	8.6	13.4	5.8	26.3	26.3	1.7
MORROW.....	99	12.1	6.1	11.1	17.2	1.0	37.4	29.3	2.0
MULTNOMAH..	8,911	8.1	4.0	9.9	8.8	18.0	19.1	29.0	2.3
POLK.......	624	9.5	4.6	9.5	12.2	5.6	21.2	24.2	2.9
SHERMAN....	22	4.5	.0	9.1	9.1	.0	4.5	18.2	.0
TILLAMOOK..	247	9.7	3.6	8.5	9.7	3.6	17.8	28.7	3.2
UMATILLA...	814	10.4	4.8	6.0	10.7	9.0	24.4	28.1	1.0
UNION......	316	10.1	4.1	8.2	10.8	5.1	13.9	18.7	2.5
WALLOWA....	89	9.0	3.4	10.1	13.5	2.2	9.0	16.9	.0
WASCO......	283	6.4	4.2	5.3	12.7	8.5	24.4	26.5	2.1
WASHINGTON.	4,534	4.3	2.5	9.2	8.1	7.6	13.4	14.2	2.0
WHEELER....	10	20.0	10.0	.0	.0	.0	10.0	20.0	.0
YAMHILL....	923	6.4	4.6	7.3	14.3	6.4	25.1	23.2	3.1

NOTE: RISK FACTORS EXPRESSED AS PERCENTAGE OF MOTHERS FALLING INTO RISK CATEGORY.

TABLE 2-20. RISK COUNT FREQUENCIES, BY RESIDENT COUNTY, OREGON, 1988

RESIDENT COUNTY	TOTAL BIRTHS	NUMBER OF RISK FACTORS					
		ZERO	ONE	TWO	THREE	FOUR	FIVE
TOTAL......	41,944	23,059	11,755	4,797	1,981	335	17
BAKER......	185	100	48	25	10	2	-
BENTON.....	864	568	229	51	14	2	-
CLACKAMAS..	3,573	2,202	932	300	119	20	-
CLATSOP....	421	241	114	48	16	2	-
COLUMBIA...	491	294	137	48	11	1	-
COOS.......	775	405	214	104	47	2	3
CROOK......	216	131	55	18	11	1	-
CURRY......	217	125	61	25	5	1	-
DESCHUTES..	980	545	300	94	32	9	-
DOUGLAS....	1,278	656	357	187	69	9	-
GILLIAM....	15	9	5	1	-	-	-
GRANT......	97	59	29	6	3	-	-
HARNEY.....	117	67	22	27	1	-	-
HOOD RIVER.	281	135	105	33	8	-	-
JACKSON....	1,910	952	585	248	103	22	-
JEFFERSON..	297	117	95	51	29	4	1
JOSEPHINE..	840	391	237	149	54	9	-
KLAMATH....	822	398	227	121	69	7	-
LAKE.......	107	61	29	12	5	-	-
LANE.......	3,815	2,065	1,088	436	185	38	3
LINCOLN....	478	237	168	52	19	2	-
LINN.......	1,313	679	393	152	71	18	-
MALHEUR....	456	199	159	67	26	5	-
MARION.....	3,430	1,705	990	476	209	49	1
MORROW.....	99	41	28	20	6	4	-
MULTNOMAH..	8,911	4,629	2,620	1,101	491	64	6
POLK.......	624	320	192	74	31	7	-
SHERMAN....	22	15	6	1	-	-	-
TILLAMOOK..	247	132	71	28	13	3	-
UMATILLA...	814	410	243	111	42	7	1
UNION......	316	192	78	29	13	4	-
WALLOWA....	89	59	20	7	2	1	-
WASCO......	283	151	79	40	12	1	-
WASHINGTON.	4,534	3,048	1,009	340	121	16	-
WHEELER....	10	6	3	-	1	-	-
YAMHILL....	923	490	260	120	48	5	-

1/ THERE WERE NO MOTHERS WHO HAD ALL SIX RISK FACTORS

TABLE 2-21. RISK COUNT PERCENTAGES BY RESIDENT COUNTY, OREGON, 1988

RESIDENT	TOTALS	NUMBER OF RISK FACTORS					
		ZERO	ONE	TWO	THREE	FOUR	FIVE
TOTAL......	41,944	55.0	28.0	11.4	4.7	0.8	0.0
BAKER......	185	54.1	25.9	13.5	5.4	1.1	-
BENTON.....	864	65.7	26.5	5.9	1.6	.2	-
CLACKAMAS..	3,573	61.6	26.1	8.4	3.3	.6	-
CLATSOP....	421	57.2	27.1	11.4	3.8	.5	-
COLUMBIA...	491	59.9	27.9	9.8	2.2	.2	-
COOS.......	775	52.3	27.6	13.4	6.1	.3	.4
CROOK......	216	60.6	25.5	8.3	5.1	.5	-
CURRY......	217	57.6	28.1	11.5	2.3	.5	-
DESCHUTES..	980	55.6	30.6	9.6	3.3	.9	-
DOUGLAS....	1,278	51.3	27.9	14.6	5.4	.7	-
GILLIAM....	15	60.0	33.3	6.7	-	-	-
GRANT......	97	60.8	29.9	6.2	3.1	-	-
HARNEY.....	117	57.3	18.8	23.1	.9	-	-
HOOD RIVER.	281	48.0	37.4	11.7	2.8	-	-
JACKSON....	1,910	49.8	30.6	13.0	5.4	1.2	-
JEFFERSON..	297	39.4	32.0	17.2	9.8	1.3	.3
JOSEPHINE..	840	46.5	28.2	17.7	6.4	1.1	-
KLAMATH....	822	48.4	27.6	14.7	8.4	.9	-
LAKE.......	107	57.0	27.1	11.2	4.7	-	-
LANE.......	3,815	54.1	28.5	11.4	4.8	1.0	.1
LINCOLN....	478	49.6	35.1	10.9	4.0	.4	-
LINN.......	1,313	51.7	29.9	11.6	5.4	1.4	-
MALHEUR....	456	43.6	34.9	14.7	5.7	1.1	-
MARION.....	3,430	49.7	28.9	13.9	6.1	1.4	.0
MORROW.....	99	41.4	28.3	20.2	6.1	4.0	-
MULTNOMAH..	8,911	51.9	29.4	12.4	5.5	.7	.1
POLK.......	624	51.3	30.8	11.9	5.0	1.1	-
SHERMAN....	22	68.2	27.3	4.5	-	-	-
TILLAMOOK..	247	53.4	28.7	11.3	5.3	1.2	-
UMATILLA...	814	50.4	29.9	13.6	5.2	.9	.1
UNION......	316	60.8	24.7	9.2	4.1	1.3	-
WALLOWA....	89	66.3	22.5	7.9	2.2	1.1	-
WASCO......	283	53.4	27.9	14.1	4.2	.4	-
WASHINGTON.	4,534	67.2	22.3	7.5	2.7	.4	-
WHEELER....	10	60.0	30.0	-	10.0	-	-
YAMHILL....	923	53.1	28.2	13.0	5.2	.5	-

1/ THERE WERE NO MOTHERS WHO HAD ALL SIX RISK FACTORS

TABLE 2-22. MATERNAL RISK FACTORS BY RACE OF CHILD, OREGON RESIDENTS, 1988

RESIDENT COUNTY	LIVE BIRTHS	PERCENT						
		INADE-QUATE CARE	UNDER 18 YEARS OF AGE	35 YEARS OR OLDER	4+ LIVE BIRTHS	LESS THAN 12 YEARS EDUCA-TION	UNWED	PLURAL BIRTH
TOTAL......	39,850	8.4	4.0	8.9	10.2	20.3	23.5	2.1
WHITE......	34,376	7.4	3.6	9.1	9.3	17.8	22.1	2.1
HISPANIC...	2,172	18.0	7.6	6.3	19.3	52.3	27.3	1.8
AFRICAN AMERICAN.	1,090	16.1	9.5	5.6	13.8	27.9	61.9	2.1
INDIAN.....	786	14.4	7.6	5.9	19.0	34.2	41.3	1.7
CHINESE....	228	5.7	.0	13.6	3.9	11.4	2.6	.0
JAPANESE...	183	4.4	1.1	18.6	6.0	6.0	6.6	3.3
HAWAIIAN...	51	5.9	7.8	7.8	3.9	13.7	19.6	3.9
FILIPINO...	151	9.3	.0	22.5	11.9	10.6	11.9	2.0
OTHER ASIAN & PACIFIC ISLANDER.	773	9.3	2.7	9.4	12.9	24.3	17.2	1.7
OTHER NON-WHITE	31	32.3	6.5	3.2	12.9	54.8	35.5	.0
N.S........	9	11.1	11.1	11.1	.0	.0	33.3	.0

NOTE: RISK FACTORS EXPRESSED AS PERCENTAGE OF MOTHERS FALLING INTO RISK CATEGORY.

TABLE 2-23. INADEQUATE PRENATAL CARE BY MOTHER'S AGE, OREGON RESIDENTS, 1988

MOTHER'S AGE	TOTAL BIRTHS	PRENATAL CARE			RATE INADEQUATE 2/
		INADEQUATE 1/	ADEQUATE	NOT STATED	
TOTAL......	39,850	3,330	36,320	200	83.6
< 15.......	57	16	41	-	280.7
15-19......	4,496	752	3,708	36	167.3
20-24......	10,847	1,210	9,568	69	111.6
25-29......	12,477	810	11,614	53	64.9
30-34......	8,436	363	8,044	29	43.0
35-39......	3,055	144	2,902	9	47.1
40-44......	469	32	435	2	68.2
45 +.......	11	3	8	-	272.7
N.S........	2	-	-	2	.0

\- QUANTITY IS ZERO
1/ LESS THAN 5 PRENATAL VISITS OR CARE BEGAN IN THE THIRD TRIMESTER
2/ ALL RATES PER 1,000 BIRTHS

TABLE 2-24. INADEQUATE PRENATAL CARE BY RACE OF CHILD, OREGON RESIDENTS, 1988

RACE OF CHILD	TOTAL BIRTHS	PRENATAL CARE			RATE INADEQUATE 2/
		INADEQUATE 1/	ADEQUATE	NOT STATED	
TOTAL......	39,850	3,330	36,320	200	83.6
WHITE......	34,376	2,530	31,702	144	73.6
HISPANIC...	2,172	390	1,768	14	179.6
AFRICAN AMERICAN.	1,090	176	903	11	161.5
INDIAN.....	786	113	667	6	143.8
CHINESE....	228	13	215	-	57.0
JAPANESE...	183	8	173	2	43.7
HAWAIIAN...	51	3	48	-	58.8
FILIPINO...	151	14	136	1	92.7
OTHER ASIAN & PACIFIC ISLANDER.	773	72	684	17	93.1
OTHER NON-WHITE	31	10	20	1	322.6
N.S........	9	1	4	4	111.1

- QUANTITY IS ZERO

1/ LESS THAN 5 PRENATAL VISITS OR CARE BEGAN IN THE THIRD TRIMESTER

2/ ALL RATES PER 1,000 BIRTHS

TABLE 2-25. INADEQUATE PRENATAL CARE BY EDUCATION, OREGON RESIDENTS, 1988

MOTHER'S EDUCATION (IN YEARS)	TOTAL BIRTHS	PRENATAL CARE			RATE INADEQUATE 2/
		INADEQUATE 1/	ADEQUATE	NOT STATED	
TOTAL......	39,850	3,330	36,320	200	83.6
ZERO.......	107	39	64	4	364.5
ONE........	29	9	20	-	310.3
TWO........	51	20	29	2	392.2
THREE......	85	32	53	-	376.5
FOUR.......	85	13	71	1	152.9
FIVE.......	82	19	62	1	231.7
SIX........	237	59	176	2	248.9
SEVEN......	133	28	103	2	210.5
EIGHT......	586	118	466	2	201.4
NINE.......	1,325	248	1,065	12	187.2
TEN........	2,468	452	2,007	9	183.1
ELEVEN.....	2,910	494	2,407	9	169.8
TWELVE.....	15,219	1,231	13,957	31	80.9
THIRTEEN...	3,837	168	3,663	6	43.8
FOURTEEN...	3,929	154	3,770	5	39.2
FIFTEEN....	1,443	45	1,396	2	31.2
SIXTEEN....	4,157	87	4,066	4	20.9
SEVENTEEN +	2,521	39	2,479	3	15.5
N.S........	646	75	466	105	116.1

- QUANTITY IS ZERO

1/ LESS THAN 5 PRENATAL VISITS OR CARE BEGAN IN THE THIRD TRIMESTER

2/ ALL RATES PER 1,000 BIRTHS

TABLE 2-26. INADEQUATE PRENATAL CARE BY BIRTHWEIGHT, OREGON RESIDENTS, 1988

BIRTH-WEIGHT	TOTAL BIRTHS	PRENATAL CARE			RATE INADEQUATE 2/
		INADEQUATE 1/	ADEQUATE	NOT STATED	
TOTAL......	39,850	3,330	36,320	200	83.6
499 & LESS.	25	17	8	-	680.0
500-999....	133	44	85	4	330.8
1000-1499..	156	44	111	1	282.1
1500-1999..	395	72	322	1	182.3
2000-2499..	1,387	235	1,139	13	169.4
2500-2999..	5,157	640	4,485	32	124.1
3000-3499..	13,602	1,109	12,421	72	81.5
3500-3999..	13,371	861	12,458	52	64.4
4000-4499..	4,553	247	4,294	12	54.2
4500-4999..	955	54	897	4	56.5
5000 & OVER	105	6	98	1	57.1
UNKNOWN....	11	1	2	8	90.9

- QUANTITY IS ZERO

1/ LESS THAN 5 PRENATAL VISITS OR CARE BEGAN IN THE THIRD TRIMESTER

2/ ALL RATES PER 1,000 BIRTHS

TABLE 2-27. INADEQUATE PRENATAL CARE BY COUNTY OF RESIDENCE, OREGON, 1988

COUNTY OF RESIDENCE	TOTAL BIRTHS	PRENATAL CARE			RATE INADEQUATE 2/
		INADEQUATE 1/	ADEQUATE	NOT STATED	
TOTAL......	39,850	3,330	36,320	200	83.6
BAKER......	185	13	171	1	70.3
BENTON.....	864	32	831	1	37.0-
CLACKAMAS..	3,573	242	3,320	11	67.7-
CLATSOP....	421	30	390	1	71.3
COLUMBIA...	491	31	458	2	63.1
COOS.......	775	70	704	1	90.3
CROOK......	216	9	206	1	41.7-
CURRY......	217	14	145	58	64.5
DESCHUTES..	980	79	899	2	80.6
DOUGLAS....	1,278	118	1,149	11	92.3
GILLIAM....	15	1	14	-	66.7
GRANT......	97	9	88	-	92.8
HARNEY.....	117	17	98	2	145.3
HOOD RIVER.	281	26	253	2	92.5
JACKSON....	1,910	229	1,673	8	119.9+
JEFFERSON..	297	30	267	-	101.0
JOSEPHINE..	840	134	701	5	159.5+
KLAMATH....	822	105	714	3	127.7+
LAKE.......	107	7	100	-	65.4
LANE.......	3,815	398	3,416	1	104.3+
LINCOLN....	478	22	454	2	46.0-
LINN.......	1,313	131	1,179	3	99.8
MALHEUR....	456	47	404	5	103.1
MARION.....	3,430	313	3,110	7	91.3
MORROW.....	99	12	86	1	121.2
MULTNOMAH..	8,911	726	8,136	49	81.5
POLK.......	624	59	565	-	94.6
SHERMAN....	22	1	21	-	45.5
TILLAMOOK..	247	24	223	-	97.2
UMATILLA...	814	85	725	4	104.4
UNION......	316	32	282	2	101.3
WALLOWA....	89	8	80	1	89.9
WASCO......	283	18	265	-	63.6
WASHINGTON.	4,534	197	4,322	15	43.4-
WHEELER....	10	2	8	-	200.0
YAMHILL....	923	59	863	1	63.9-

- QUANTITY IS ZERO

1/ CARE BEGAIN IN 3RD TRIMESTER OR NUMBER OF VISITS IS LESS THAN 5

2/ ALL RATES PER 1,000 BIRTHS

NOTE: SYMBOL - DENOTES RATE IS SIGNIFICANTLY LESS THAN STATE RATE
SYMBOL + DENOTES RATE IS SIGNIFICANTLY GREATER THAN STATE RATE

TABLE 2-28. INADEQUATE PRENATAL CARE BY COUNTY OF RESIDENCE FOR UNWED MOTHERS, OREGON, 1988

COUNTY OF RESIDENCE	TOTAL BIRTHS	PRENATAL CARE			RATE INADEQUATE 2/
		INADEQUATE 1/	ADEQUATE	NOT STATED	
TOTAL......	9,377	1,691	7,628	58	180.3
BAKER......	37	4	32	1	108.1
BENTON.....	122	11	111	-	90.2
CLACKAMAS..	602	93	505	4	154.5
CLATSOP....	93	17	75	1	182.8
COLUMBIA...	96	13	82	1	135.4
COOS.......	214	31	182	1	144.9
CROOK......	44	6	38	-	136.4
CURRY......	38	5	33	-	131.6
DESCHUTES..	206	36	170	-	174.8
DOUGLAS....	313	54	256	3	172.5
GILLIAM....	3	1	2	-	333.3
GRANT......	16	4	12	-	250.0
HARNEY.....	20	7	12	1	350.0
HOOD RIVER.	58	8	50	-	137.9
JACKSON....	486	113	373	-	232.5
JEFFERSON..	96	12	84	-	125.0
JOSEPHINE..	234	57	175	2	243.6
KLAMATH....	239	53	186	-	221.8
LAKE.......	26	3	23	-	115.4
LANE.......	912	207	704	1	227.0
LINCOLN....	116	13	102	1	112.1
LINN.......	333	65	267	1	195.2
MALHEUR....	95	13	82	-	136.8
MARION.....	903	158	741	4	175.0
MORROW.....	29	6	23	-	206.9
MULTNOMAH..	2,583	457	2,098	28	176.9
POLK.......	151	33	118	-	218.5
SHERMAN....	4	-	4	-	.0
TILLAMOOK..	71	15	56	-	211.3
UMATILLA...	229	46	182	1	200.9
UNION......	59	14	44	1	237.3
WALLOWA....	15	4	10	1	266.7
WASCO......	75	12	63	-	160.0
WASHINGTON.	643	91	546	6	141.5
WHEELER....	2	-	2	-	.0
YAMHILL....	214	29	185	-	135.5

- QUANTITY IS ZERO
1/ CARE BEGAN IN 3RD TRIMESTER OR NUMBER OF VISITS IS LESS THAN 5
2/ ALL RATES PER 1,000 BIRTHS

FETAL DEATHS

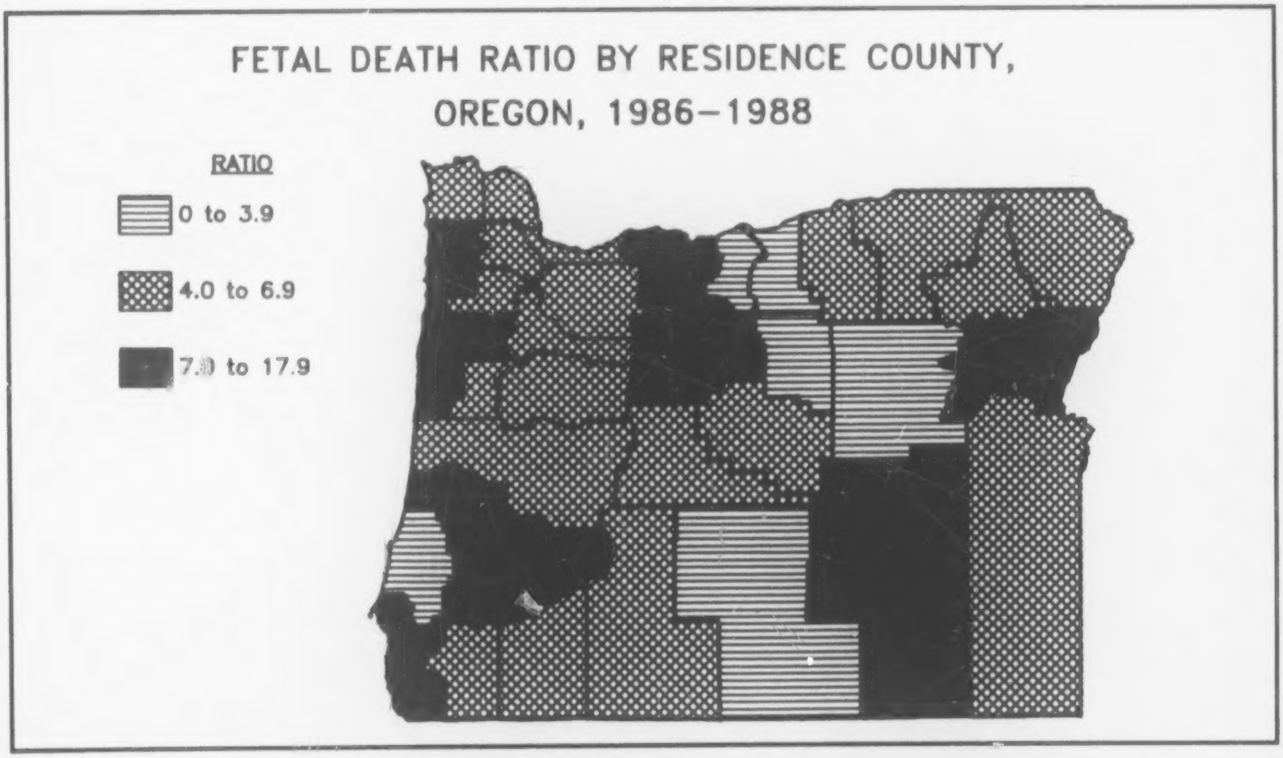
Fetal Deaths

FETAL DEATH RATIO. Both the number and ratio of fetal deaths per 1,000 live births moved higher during the past year after setting record lows in 1987. The ratio rose 7.3 percent from 5.5 in 1987 to 5.9 in 1988. The ratio is still the second lowest on record. The long-term trend has been downward. In 1928, when fetal deaths first became reportable, the ratio was 29.0 (Table 1-4).

COUNTY OF RESIDENCE. Fetal death ratios vary greatly from county to county, but no county was statistically significantly different from the state ratio (Figure 3-1). Two counties, Harney and Tillamook, had ratios more than twice as high as the state average; their ratios during 1986-1988 were 17.8 and 13.9, respectively. In four counties (Gilliam, Grant, Sherman, and Wheeler) no fetal deaths were recorded. However, these data are based on relatively few events and should be viewed with caution.

RISK BY MATERNAL AGE. The younger a pregnant woman was during 1987, the more likely she was to have a fetal death. However, during 1988 this pattern changed dramatically. The risk of fetal death was greatest among women 35 to 39 years of age; their fetal death ratio was more than two times the state average. Although the risk was greatest among these older women, those in their twenties accounted for nearly one-half (48.1 percent) of all fetal deaths. As with all fetal deaths, differences between the age groups should be viewed with caution since the comparisons are based on small numbers.

Figure 3-1.



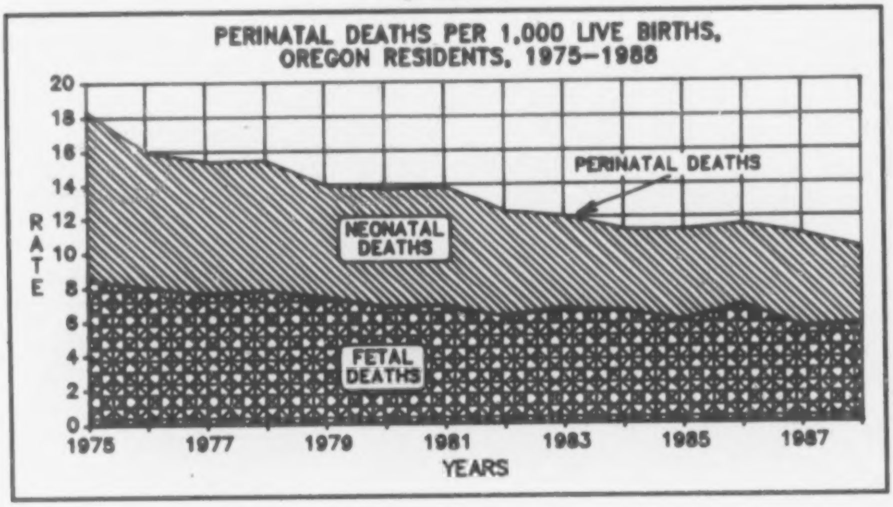
FETAL DEATH RATIO BY RESIDENCE COUNTY, OREGON, 1986–1988

CAUSES OF DEATH. Complications of the placenta, cord, and membranes accounted for a plurality of the deaths. Ranking second was other and ill-defined conditions, followed by maternal complications of pregnancy, and congenital anomalies (Table 3-1). These causes of death accounted for 89.8 percent of all 1988 fetal deaths. There was little change in the distribution of deaths by cause compared to the previous year, except for an increase in the number of deaths attributed to complications of placenta, cord, and membranes; the number of deaths in this category rose from 83 to 103.

PERINATAL DEATHS. Perinatal deaths include both fetal deaths and neonatal deaths; they may be considered as "...reflecting standards of obstetric and pediatric care as well as the effectiveness of social measures in general and of public health actions in particular."[1] Perinatal deaths in Oregon have declined over the last decade due to the decline in both neonatal and fetal deaths (Figure 3-2). The neonatal death rate has declined 41.6 percent since 1978, while the fetal death ratio declined by 24.9 percent in the same period. The 1988 perinatal death rate of 10.4 represents a 32.9 percent reduction during the last decade.

The latest year of national data available for perinatal deaths is 1986. In 1986 Oregon's rate of perinatal death was 27.8 percent below the U.S. rate. This is due in most part to our lower neonatal death rate.

Figure 3-2.



PERINATAL DEATHS PER 1,000 LIVE BIRTHS, OREGON RESIDENTS, 1975–1988

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1. *A WHO Report on Social and Biological Effects on Perinatal Mortality*, Vol. 1, World Health Organization, 1978.

TABLE 3-1. FETAL DEATHS BY WEEKS OF GESTATION AND CAUSE OF DEATH, OREGON, 1988

CAUSE OF DEATH	TOTAL	WEEKS OF GESTATION								
		20-23	24-27	28-31	32-35	36	37-39	40	41+	N.S.
TOTAL....................	235	61	35	27	27	8	52	16	9	-
CONGENITAL ANOMALIES......	20	5	4	4	4	1	2	-	-	-
MATERNAL CONDITION WHICH MAY BE UNRELATED........	5	1	-	1	-	-	2	1	-	-
MATERNAL COMPLICATIONS OF PREGNANCY............	25	17	4	1	-	-	2	-	1	-
COMPLICATIONS OF PLACENTA, CORD, AND MEMBRANES.....	103	15	15	12	15	4	30	6	6	-
OTHER COMPLICATIONS OF LABOR AND DELIVERY......	1	-	-	-	-	-	-	-	1	-
SLOW FETAL GROWTH AND MALNUTRITION.........	3	1	1	1	-	-	-	-	-	-
SHORT GESTATION AND LOW BIRTH WEIGHT.........	7	7	-	-	-	-	-	-	-	-
LONG GESTATION AND HIGH BIRTH WEIGHT........	-	-	-	-	-	-	-	-	-	-
BIRTH TRAUMA..............	1	-	1	-	-	-	-	-	-	-
INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA......	2	-	-	-	1	-	1	-	-	-
RESPIRATORY DISTRESS SYNDROME................	1	1	-	-	-	-	-	-	-	-
OTHER RESPIRATORY.........	-	-	-	-	-	-	-	-	-	-
PERINATAL INFECTIONS......	1	-	-	-	-	-	1	-	-	-
FETAL AND NEONATAL HEMORRHAGE..............	-	-	-	-	-	-	-	-	-	-
HEMOLYTIC DISEASE.........	-	-	-	-	-	-	-	-	-	-
OTHER PERINATAL JAUNDICE..	-	-	-	-	-	-	-	-	-	-
ENDOCRINE OR METABOLIC DISTURBANCES............	-	-	-	-	-	-	-	-	-	-
HEMATOLOGICAL DISORDERS...	-	-	-	-	-	-	-	-	-	-
DIGESTIVE DISORDERS.......	-	-	-	-	-	-	-	-	-	-
INTEGUMENT & TEMPERATURE REGULATION..............	3	1	1	-	1	-	-	-	-	-
OTHER & ILL-DEFINED.......	63	13	9	8	6	3	14	9	1	-

- QUANTITY IS ZERO

TABLE 3-2. FETAL DEATHS BY WEEKS OF GESTATION AND AGE OF MOTHER, OREGON RESIDENTS, 1988

AGE OF MOTHER	TOTAL	WEEKS OF GESTATION								
		20-23	24-27	28-31	32-35	36	37-39	40	41+	N.S.
TOTAL..	235	61	35	27	27	8	52	16	9	-
15-19..	30	9	4	3	2	-	9	2	1	-
20-24..	57	13	5	9	8	5	13	4	-	-
25-29..	56	16	10	4	5	1	15	1	4	-
30-34..	48	14	11	4	5	1	7	4	2	-
35-39..	41	9	5	7	7	1	7	4	1	-
40-44..	2	-	-	-	-	-	-	1	1	-
45+....	-	-	-	-	-	-	-	-	-	-
N.S....	1	-	-	-	-	-	1	-	-	-

- QUANTITY IS ZERO

TABLE 3-3. FETAL DEATHS BY AGE OF MOTHER AND COUNTY OF RESIDENCE, OREGON, 1988

PLACE OF RESIDENCE	TOTAL	AGE OF MOTHER							
		15-19	20-24	25-29	30-34	35-39	40-44	45+	N.S.
TOTAL......	235	30	57	56	48	41	2	-	1
RATIO TO BIRTHS...	5.9	6.7	5.3	4.5	5.7	13.4	4.3	-	-
BAKER......	4	3	-	1	-	-	-	-	-
BENTON.....	8	2	3	1	2	-	-	-	-
CLACKAMAS..	14	-	2	3	5	3	-	-	1
CLATSOP....	3	-	1	-	1	1	-	-	-
COLUMBIA...	3	-	3	-	-	-	-	-	-
COOS.......	2	-	2	-	-	-	-	-	-
CROOK......	1	-	1	-	-	-	-	-	-
CURRY......	2	-	-	1	1	-	-	-	-
DESCHUTES..	5	-	2	2	1	-	-	-	-
DOUGLAS....	9	2	1	2	3	1	-	-	-
GILLIAM....	-	-	-	-	-	-	-	-	-
GRANT......	-	-	-	-	-	-	-	-	-
HARNEY.....	2	-	-	1	1	-	-	-	-
HOOD RIVER.	1	1	-	-	-	-	-	-	-
JACKSON....	11	1	3	2	3	2	-	-	-
JEFFERSON..	4	-	3	1	-	-	-	-	-
JOSEPHINE..	4	-	1	1	1	1	-	-	-
KLAMATH....	7	1	2	2	-	2	-	-	-
LAKE.......	1	-	-	-	-	1	-	-	-
LANE.......	22	2	7	6	4	3	-	-	-
LINCOLN....	3	-	1	-	1	1	-	-	-
LINN.......	13	4	2	3	3	-	1	-	-
MALHEUR....	4	-	1	-	3	-	-	-	-
MARION.....	18	4	3	7	2	2	-	-	-
MORROW.....	2	-	1	1	-	-	-	-	-
MULTNOMAH..	45	6	12	10	6	11	-	-	-
POLK.......	4	-	1	-	1	2	-	-	-
SHERMAN....	-	-	-	-	-	-	-	-	-
TILLAMOOK..	3	1	-	-	1	1	-	-	-
UMATILLA...	5	-	-	3	-	1	1	-	-
UNION......	-	-	-	-	-	-	-	-	-
WALLOWA....	-	-	-	-	-	-	-	-	-
WASCO......	4	1	-	1	-	2	-	-	-
WASHINGTON.	29	2	5	8	9	5	-	-	-
WHEELER....	-	-	-	-	-	-	-	-	-
YAMHILL....	2	-	-	-	-	2	-	-	-

- QUANTITY IS ZERO

MORTALITY

Mortality

ALL CAUSES. One Oregonian dies every 21 minutes on the average. For the decade prior to 1982, the Oregon death rate fell sharply; however, since then the rate has increased annually, except during 1986 and 1988. During 1988, the rate changed little compared to the previous year, 895.9 versus 898.9 per 100,000 population. A record high 24,557 Oregonians died during 1988. Notable increases occurred among deaths due to influenza and pneumonia, suicide, diabetes, and AIDS. For the fourth straight year, the death rate was higher in Oregon than in the nation (883.0). The Oregon rates for the five individual leading causes of death worsened over the previous year compared to the nation as a whole.

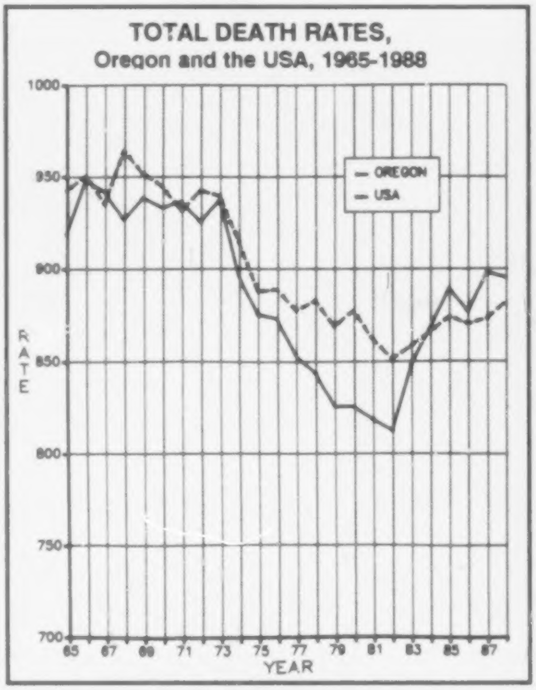
During the early and mid 1980s, the death rate for males was on the increase. Since then, however, the rate has declined annually, but is still above the 1980 value (Table 4-1). Overall, the male rate has increased just 1.3 percent since 1980 to 943.6. Females have not been so fortunate. Their death rate (850.1) is now higher than at any time since 1950. In just eight years the female death rate has risen 17.4 percent.

Oregonians under 5 years of age have experienced the greatest drop in death rates; since 1980 the rate has fallen 40.8 percent. During 1988, the death rate for females increased in all age groups except one, while the opposite was true for males (Table 4-1). The median age at death remained unchanged during 1988 with one-half of all Oregonians dying by age 75.

HEART DISEASE. The heart disease death rate fell to a record low in 1988, declining 5.3 percent over the previous year to 279.5. This masks, however, a dichotomy between the sexes: the rate for males has fallen 12.1 percent, from 339.0 in 1980 to 297.7 in 1988, while that of females has risen 7.3 percent, from 244.3 in 1980 to 262.1 in 1988.

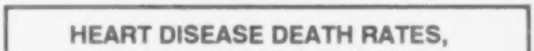
Heart disease is the preeminent cause of death, accounting for about one of every three resident deaths, or one death every 69 minutes. The Oregon death rate has consistently been lower than the national rate, and is 10.5 percent lower than the estimated 1988 national rate of 312.2. In recent years, residents of the northern Willamette Valley have been significantly more likely than other Oregonians to die from heart disease.[1] Many conditions are included in the complex of heart disease. Most common are myocardial infarctions, coronary occlusions, coronary thromboses, and arteriosclerotic and cardiovascular heart disease, which comprise about 80 percent of all heart disease. The infarc-

Figure 4-1.



TOTAL DEATH RATES,
Oregon and the USA, 1965-1988

Figure 4-2.



HEART DISEASE DEATH RATES,
Oregon and the USA, 1965-1988

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1. *Oregon Leading Causes of Mortality, 1978-1986.* Center for Health Statistics, Health Division, Oregon Department of Human Resources. June 1988.

Figure 4-3.

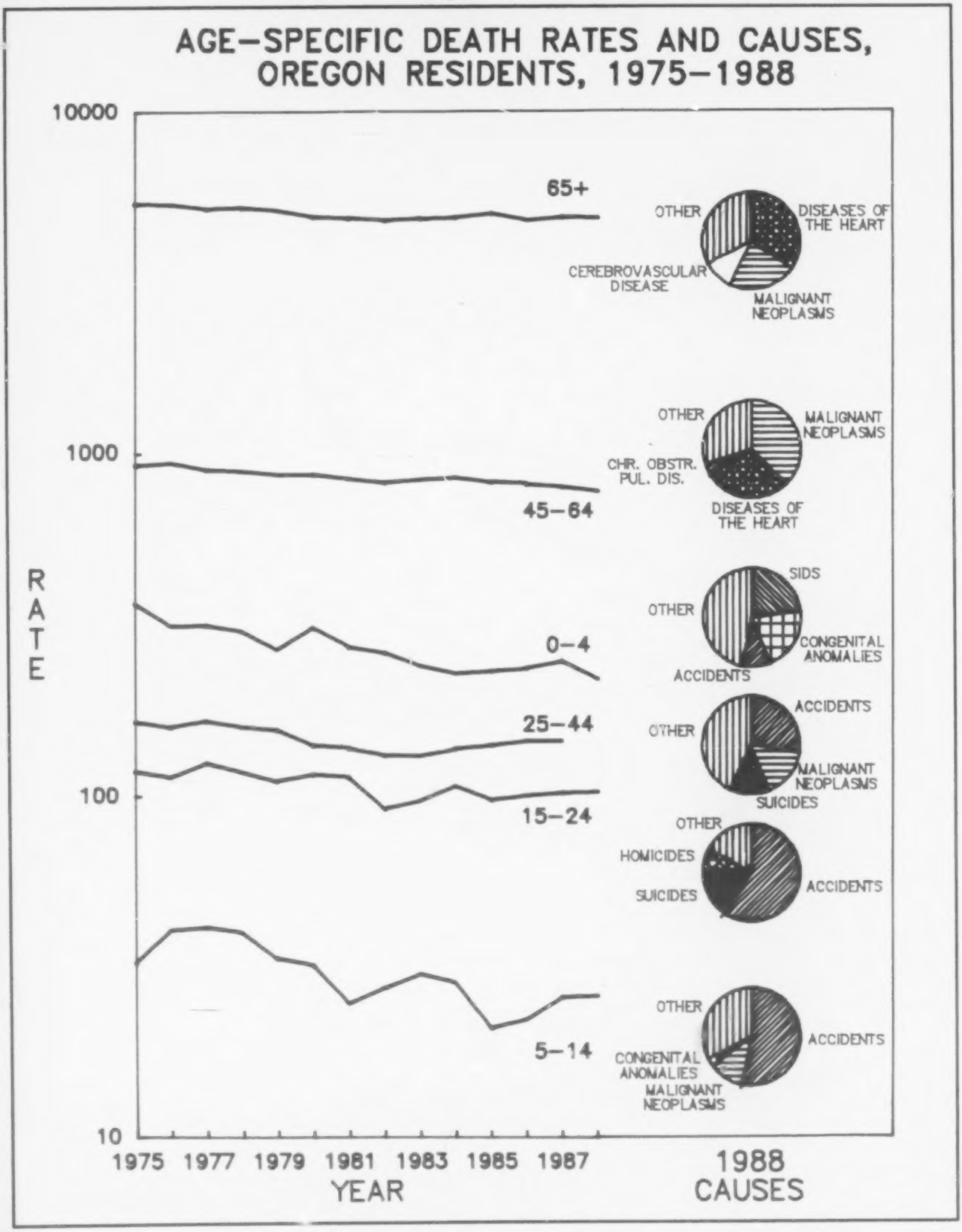
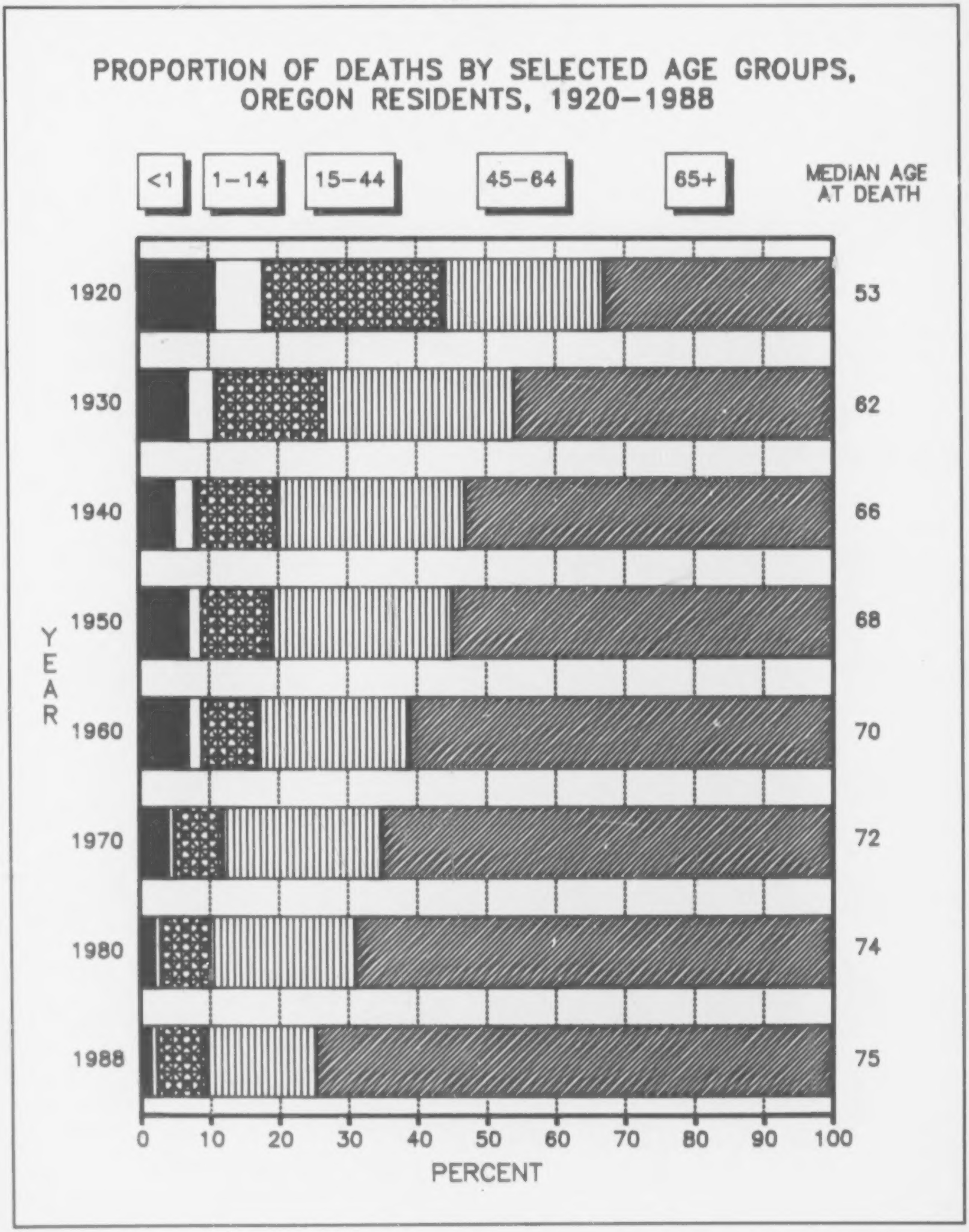
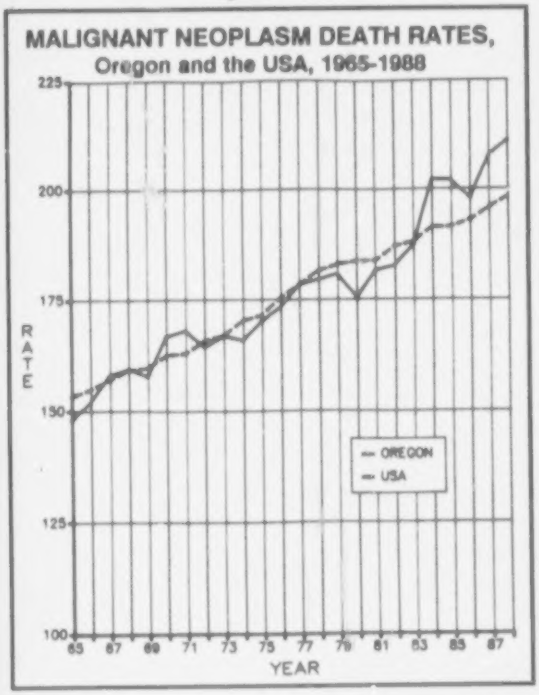

AGE–SPECIFIC DEATH RATES AND CAUSES, OREGON RESIDENTS, 1975–1988
10000
1000
100
10
RATE
65+
45–64
0–4
25–44
15–24
5–14
1975
1977
1979
1981
1983
1985
1987
YEAR
1988
CAUSES
OTHER
DISEASES OF THE HEART
CEREBROVASCULAR DISEASE
MALIGNANT NEOPLASMS
OTHER
MALIGNANT NEOPLASMS
CHR. OBSTR. PUL. DIS.
DISEASES OF THE HEART
SIDS
OTHER
CONGENITAL ANOMALIES
ACCIDENTS
ACCIDENTS
OTHER
MALIGNANT NEOPLASMS
SUICIDES
OTHER
HOMICIDES
SUICIDES
ACCIDENTS
OTHER
ACCIDENTS
CONGENITAL ANOMALIES
MALIGNANT NEOPLASMS

Figure 4-4.



PROPORTION OF DEATHS BY SELECTED AGE GROUPS, OREGON RESIDENTS, 1920–1988 tions, occlusions, and thromboses are acute, often terminal events, while the others represent chronic ailments of the cardiac function.

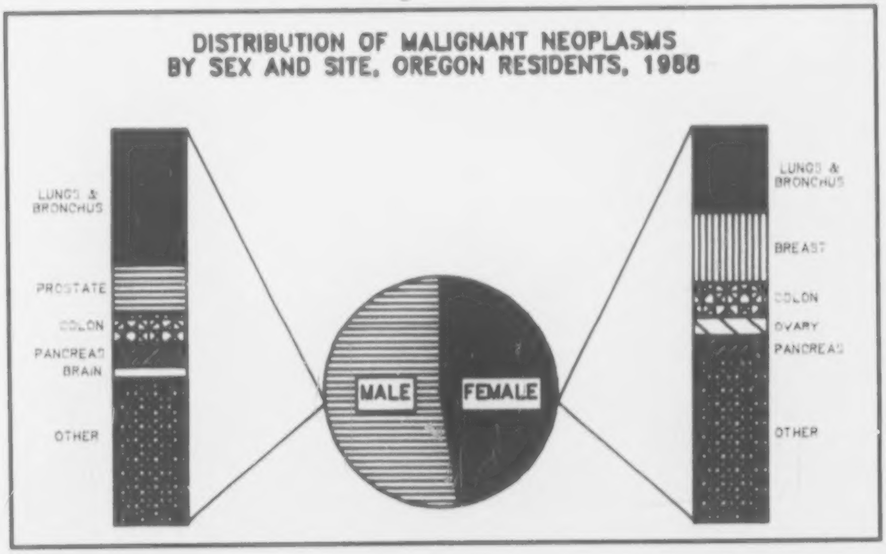
Figure 4-5.



CANCER. The long-term upward trend of the malignant neoplasm death rate continued during 1988, reaching a new high. The rate increased slightly from last year's record high (208.0) to 211.6. The lungs are the most common site for both males and females. Lung cancer deaths are becoming increasingly prevalent among women. A decade ago, there were 2.8 male deaths for every female death. By 1988, the ratio declined to 1.7-to-1. The death rate for lung cancer among men was 4.0 times higher in 1988 than in 1950 (19.3 to 77.7), but among women rose to a level 8.5 times higher (5.1 to 43.6). Overall, the total lung cancer death rate has more than quintupled, increasing from 11.6 to 60.3. Parenthetically, this has been accompanied by a sharp increase in chronic obstructive respiratory disease deaths. For additional information on this topic, see *A Legacy of Death: Smoking and Respiratory Disease in Oregon*, also published by the Center for Health Statistics.

Malignant neoplasms are the leading cause of death in each ten-year age group between 45 and 74 years. The death rates are substantially higher among males than females after age 54. Following lung cancer, the other common sites of malignant neoplasms for males are: prostate, colon, pancreas, and brain (Figure 4-6). For females the sites are: breast, colon, ovary, and pancreas. The Oregon death rate is 6.5 percent higher than the estimated national rate of 198.6. Cancer claims an Oregonian every 1.5 hours.

Figure 4-6.



CEREBROVASCULAR DISEASE. Until 1983, the death rate for cerebrovascular disease was on a downward trend. Since then the rate has fluctuated and currently stands at 73.3 (Figure 4-7). Cerebrovascular disease ranks third overall after heart disease and malignant neoplasms, but fourth (56.5) among males following accidents (60.2). The cerebrovascular disease death rate for females is 89.5 per 100,000 females, 58.4 percent higher than for males (who tend to die at younger ages from other causes). The death rate for this cause has consistently been higher in Oregon than in the rest of the nation for the past 20 years; it is currently 20.0 percent above the estimated national rate of 61.1. Every 4.4 hours, on the average, an Oregon resident succumbs to cerebrovascular disease. Sudden circulatory crises such as strokes, cerebral thromboses and hemorrhages are common acute forms of these diseases; cerebral arteriosclerosis is a chronic form. These cerebral conditions account for about one death in ten, and are more common in the older age groups.

RESPIRATORY DISEASE. In 1987, chronic obstructive pulmonary disease (COPD) became the fourth leading cause of death by displacing unintentional injuries. During 1988 the death rate declined marginally to 43.9; nevertheless, COPD remained the fourth most common killer of Oregonians. In just this decade, the death rate has increased 39.4 percent. Much of this increase has occurred among females. Between 1980 and 1988, the death rate for Oregon women increased 79.6 percent, from 20.1 to 36.1. Despite a smaller increase among males (20.3 percent), the rates were and remain higher than for females; in 1980, the male death rate for this cause was 43.2 compared to 52.0 in 1988.

This group of allied conditions includes four principal diseases: bronchitis, emphysema, asthma, and chronic airways obstruction. Since 1980, the bronchitis death rate has declined 5.0 percent but the other three diseases have increased—emphysema by 21.1 percent, chronic airways obstruction by 50.5 percent, and asthma by 100.0 percent.

In addition to the 1,203 Oregonians whose deaths were due to chronic obstructive pulmonary diseases, these conditions contributed to the deaths of an additional 1,417 residents. Oregon's death rate (43.9) has long been higher than the nation's and currently is 31.8 percent higher than the estimated U.S. death rate of 33.3. The largest difference is seen in the emphysema death rate where Oregonians were 60.9 percent more likely to die from this cause than the average U.S. resident. In the state, the highest rates have been in southwestern and eastern Oregon.[1] Every 7.3 hours, chronic obstructive pulmonary disease claims the life of an Oregonian.

Figure 4-7.

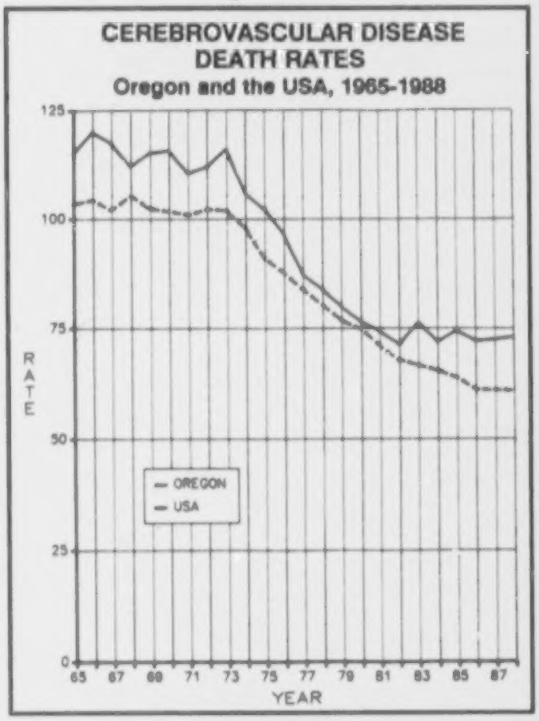
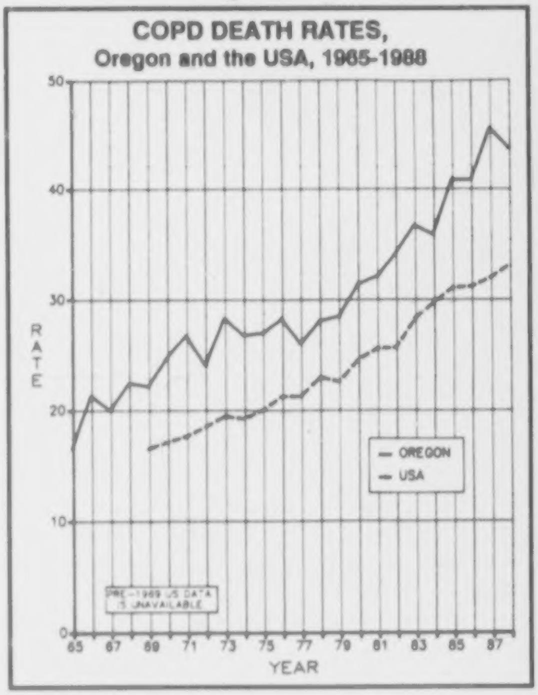


Figure 4-8.



UNINTENTIONAL INJURIES. The unintentional injury[2] death rate was on a downward trend for the past several decades until the early 1980s. Since then, the rate has fluctuated slightly, but changed little compared to 1983. However, it still exceeds the estimated national rate by 9.3 percent, 43.4 compared to 39.7. Rates for deaths due to unintentional

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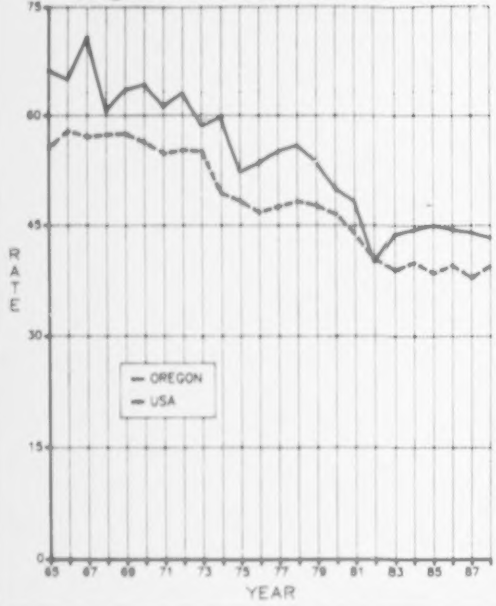
2. "Unintentional injuries" is synonymous with accidents (ICD 800-949).

Figure 4-9.

UNINTENTIONAL INJURY DEATH RATES,
Oregon and the USA, 1965-1988



injuries are typically higher east of the Cascade Range and in central Oregon in particular.[1] Unintentional injuries are the leading cause of death for persons between 5 and 44 years of age (Figure 4-11). Motor vehicle unintentional injuries (668) account for over one-half of the total unintentional injury deaths (1,190) to Oregonians; six-tenths (63.8 percent) of the motor vehicle unintentional injury decedents were between 15 and 44 years of age. However, among victims of falls (166), the second most prevalent type of unintentional injury, the majority are 75 or older. Most fatal falls occur in the home. Poisonings and drownings rank third and fourth, respectively. Fewer Oregonians died from unintentional injuries sustained while at work during 1988 than during 1987, 42 compared to 47. Every 7.4 hours, an Oregonian dies as a consequence of an unintentional injury. Although this category ranks fifth in actual deaths, it is the preeminent cause of premature death. Nearly as many years of potential life are lost before age 65 from unintentional injuries as from heart disease and cancer combined.

PNEUMONIA AND INFLUENZA. The pneumonia and influenza death rate rose 18.8 percent during 1988 to 32.8, up from 27.6 the previous year. The rate has not been above 32.0 since 1976. This is the sixth leading cause of death overall, but the fifth leading cause among persons 65 and older. Typically, the pneumonia and influenza mortality rate is higher for females than males, and this was true during 1988, when rates of 35.2 and 30.4, respectively, were recorded. Oregon's mortality rate (32.8) is 4.1 percent higher than the estimated national rate of 31.5. Every 9.7 hours, on the average, pneumonia or influenza claims the life of an Oregonian.

SUICIDE. A record high 461 Oregonians committed suicide during 1988, compared to 400 in 1987. With rates of 26.5 and 7.5, respectively, males were nearly four times more likely to kill themselves than females. Male rates are highest in older age groups, with the rate for men 75 or older three times higher than those of their younger counterparts. Among women, the rate is usually highest during middle age, although this was not true during 1988. Guns are the most frequently chosen method (59.7 percent) of suicide, followed by poisons (21.5 percent) and hanging (10.8 percent). However, the method varies within different age and sex cohorts. As in the past, the rate for Oregon is substantially higher (36.6 percent) than for the U.S., 16.8 for the former compared to 12.3 for the latter. Rates are significantly higher east of the Cascades.[1] An Oregonian takes his or her own life every 19.0 hours, on the average.

DIABETES. In recent years the diabetes mellitus death rate fluctuated over a narrow range of values. But in 1987, it moved sharply upward with the disease claiming a record number of Oregonians. The rate rose again in 1988 to its highest level ever, 16.0. In just two years, the diabetes death rate climbed 30.1 percent. Rate increases occurred throughout most of the state. Because Oregon's population is not evenly distributed throughout the state but rather is concentrated west of the Cascade Range, it is difficult to identify changing mortality patterns by geographic area with one or two years of data. Increases occurred among both sexes and all ages, with the exception of infants. Despite the upturn in diabetes deaths, the state's death rate remains lower than the nation's (16.1), but only marginally. Every 20.0 hours diabetes claims the life of an Oregonian.

ARTERIOSCLEROSIS. Continuing a decades-long trend, the Oregon death rate for arteriosclerosis fell to a record low. During 1988, the rate was 13.8 per 100,000 population, 25.4 percent lower than in 1980. Nonetheless, this is 30.4 percent higher than the estimated U.S. rate of 9.6. Arteriosclerosis is the tenth leading cause of death nationally, but ranks ninth in Oregon. The rate for males was 11.1 compared to 16.4 for females. Among the ten leading causes of death, decedents with this disease have the highest median age of death (Figure 4-13). An Oregon resident succumbs to arteriosclerosis every 23.1 hours. Figures do not include all deaths involving arteriosclerosis since many have been classified to more specific manifestations of cardiac and cerebral disease.

ALCOHOLISM. The alcoholism death rate edged up 3.4 percent to 12.0 during 1988 compared to 11.6 the previous year. Nevertheless, the overall trend during the past decade has been a reduction in the death rate. Alcoholism is the tenth leading cause of death overall, but ranks eighth among men. However, if accidental deaths, suicides and homicides which involved alcohol were included, this category would rank substantially higher. This complex of diseases includes alcoholic psychosis, alcoholic dependence syndrome, alcoholic gastritis, alcoholic cardiomyopathy, alcoholic polyneuropathy, and alcoholic liver disease. The latter accounts for 70.8 percent of the deaths. One of every three alcoholism deaths occurred to Multnomah County residents, although only one-in-five Oregonians reside in that county. A natural alcohol-caused death occurs every 26.5 hours on the average. Because the Oregon Center for Health Statistics queries physicians about deaths which might involve alcohol and few other

Alcoholism is the eighth leading cause of death among men.

Figure 4-10.

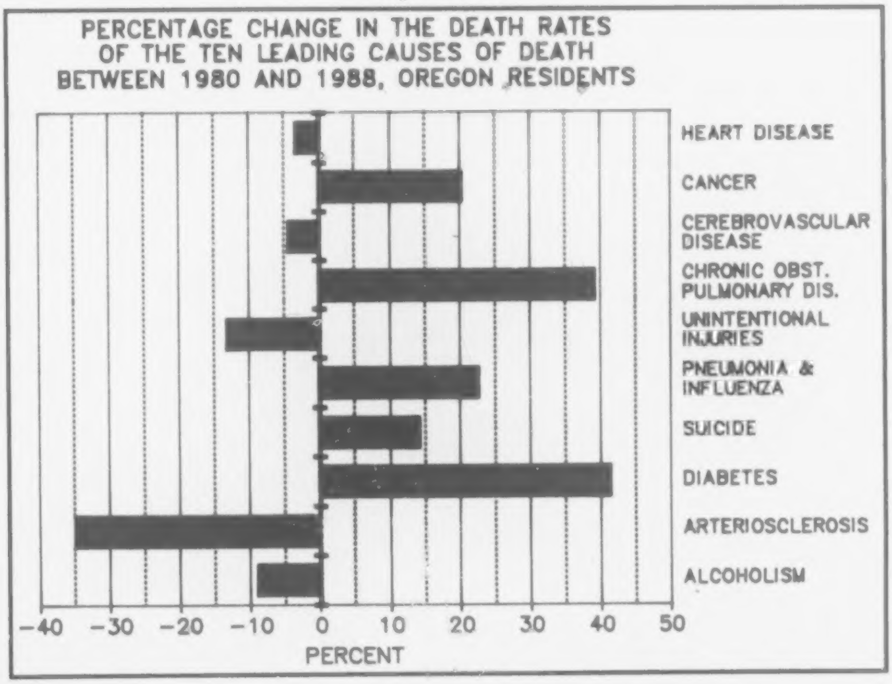


Figure 4-11.

PERCENTAGE OF DEATHS BY CAUSE AND AGE, OREGON RESIDENTS, 1988

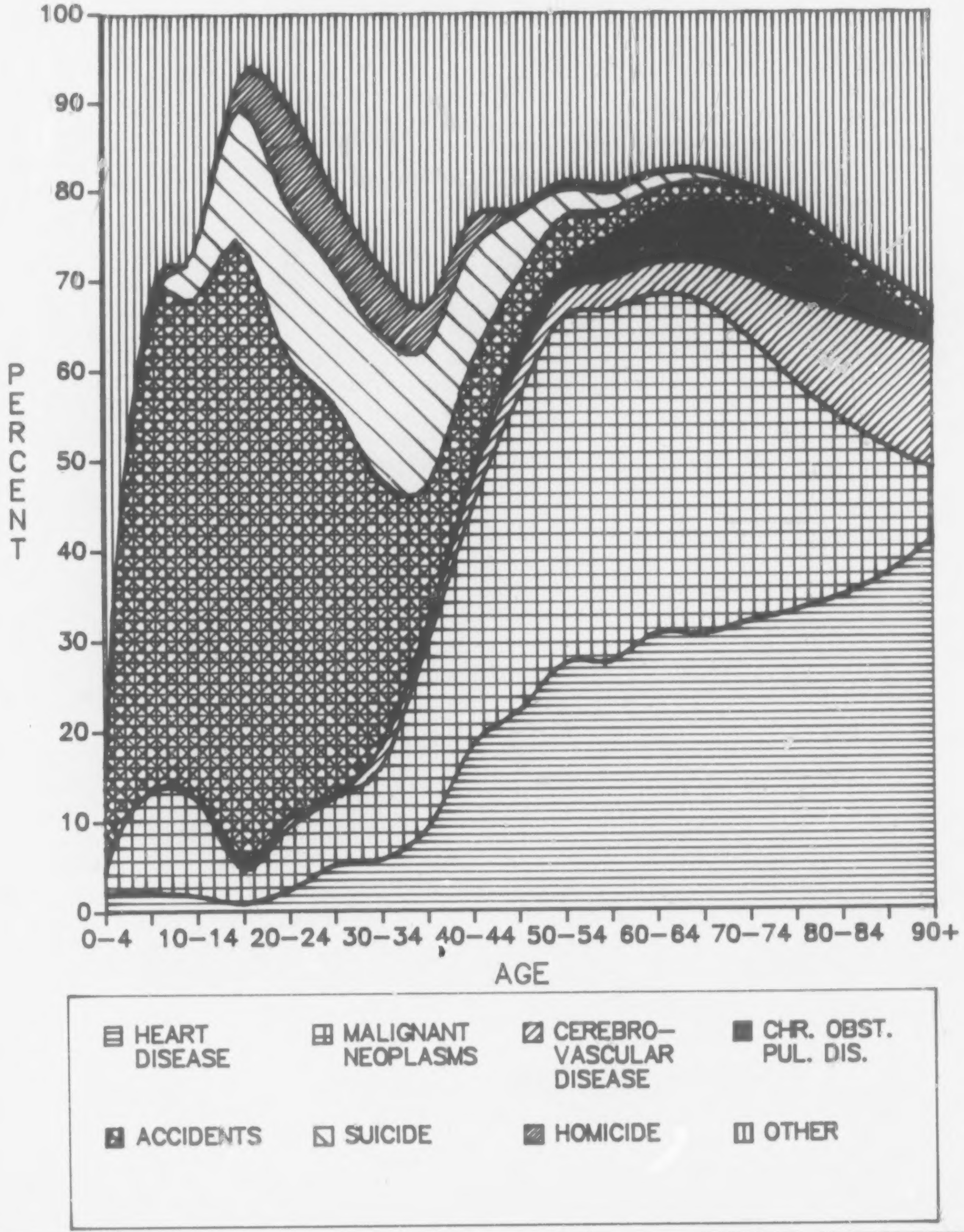


Figure 4-12.

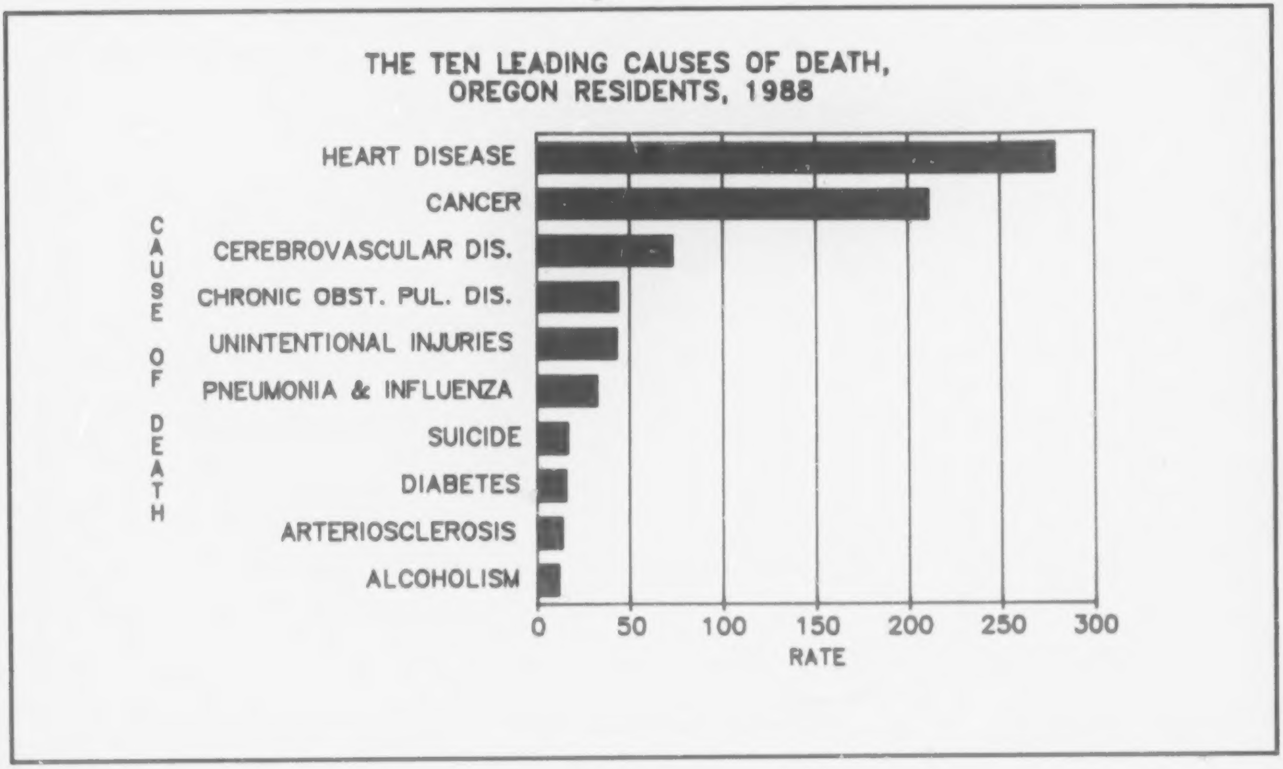
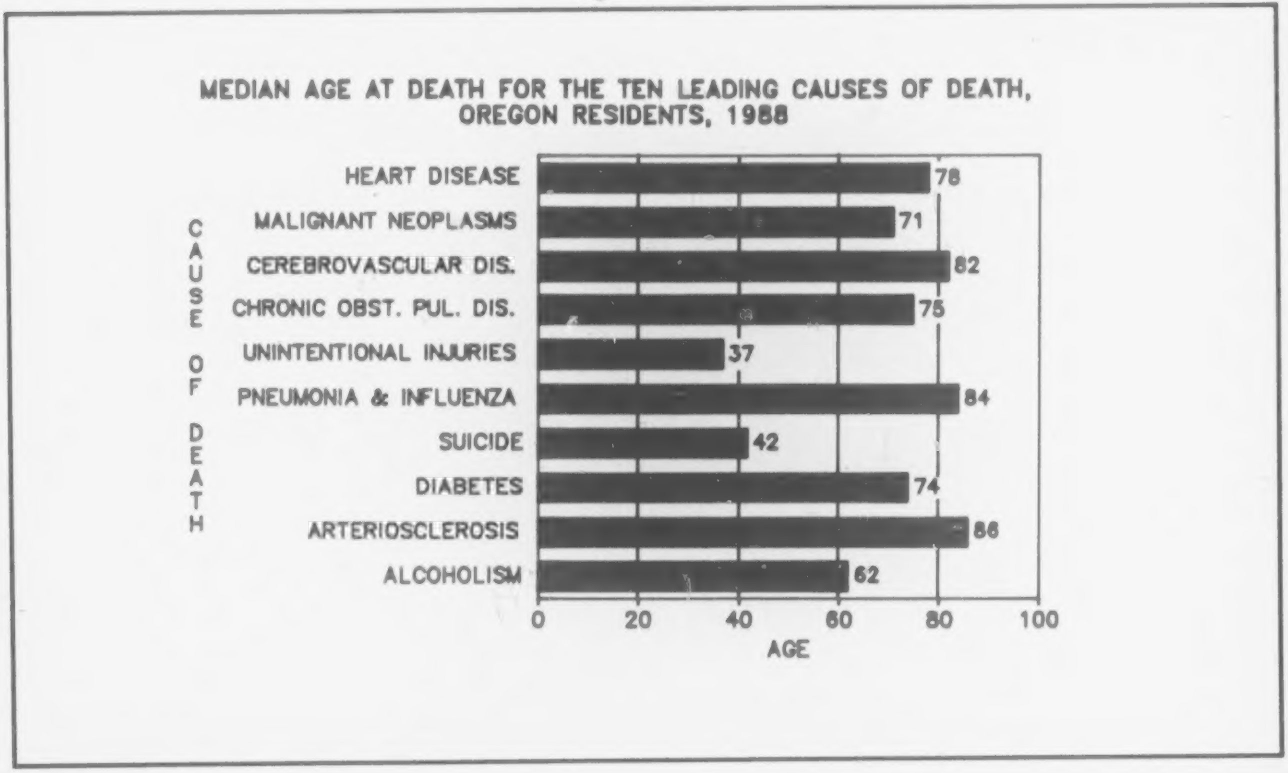


Figure 4-13.



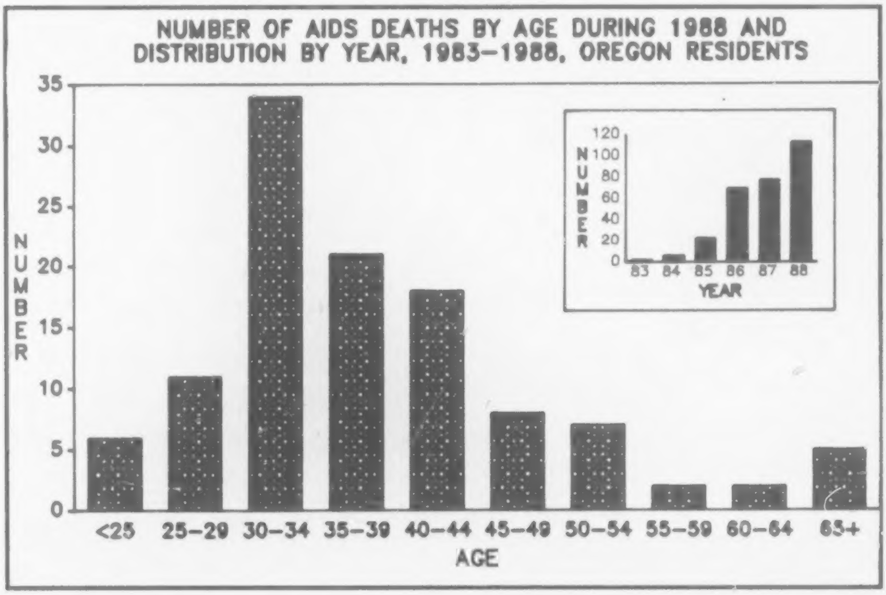
states do, the rate for the natural effects of alcohol is not comparable to total U.S. data.

HOMICIDE. The homicide rate fell 9.8 percent during 1988 to 5.5. Nonetheless, homicide remained the twelfth leading cause of death, compared to sixteenth in 1985. Nine of the deaths resulted from legal intervention. Males were far more apt to be murdered than females; their death rate was 2.6 times higher. Firearms were used in over one-half of all homicides. Oregonians have long been at less risk than the average U.S. resident; this remained true during 1988 when the U.S. homicide death rate (9.0) was 63.6 percent higher than Oregon's. On the average, an Oregonian was murdered every 2.4 days. The median age at death was 32 years.

AIDS. Acquired immune deficiency syndrome (AIDS), the fifteenth leading cause of death, claimed 114 Oregonians during 1988, a 46.2 percent increase over 1987. (Additionally, nine residents of other states also died from AIDS in Oregon during 1988.) Nearly all (99.1 percent) of the decedents were male; only one was female. Just under one-half were 30 to 39 years old, but the range was 1 to 87 years of age. The median age was 35. AIDS is the third leading cause of death among Oregon men 25 to 34 years old. Figure 4-14 illustrates the age composition of the decedents. Most (71.1 percent) of the deaths occurred to single persons. The marital status of the others was: divorced, 17.5 percent; married, 9.6 percent; widowed, 1.8 percent. All of the decedents were white, except for one African American and one Native American. On the average, an Oregonian died from AIDS every 3.2 days.

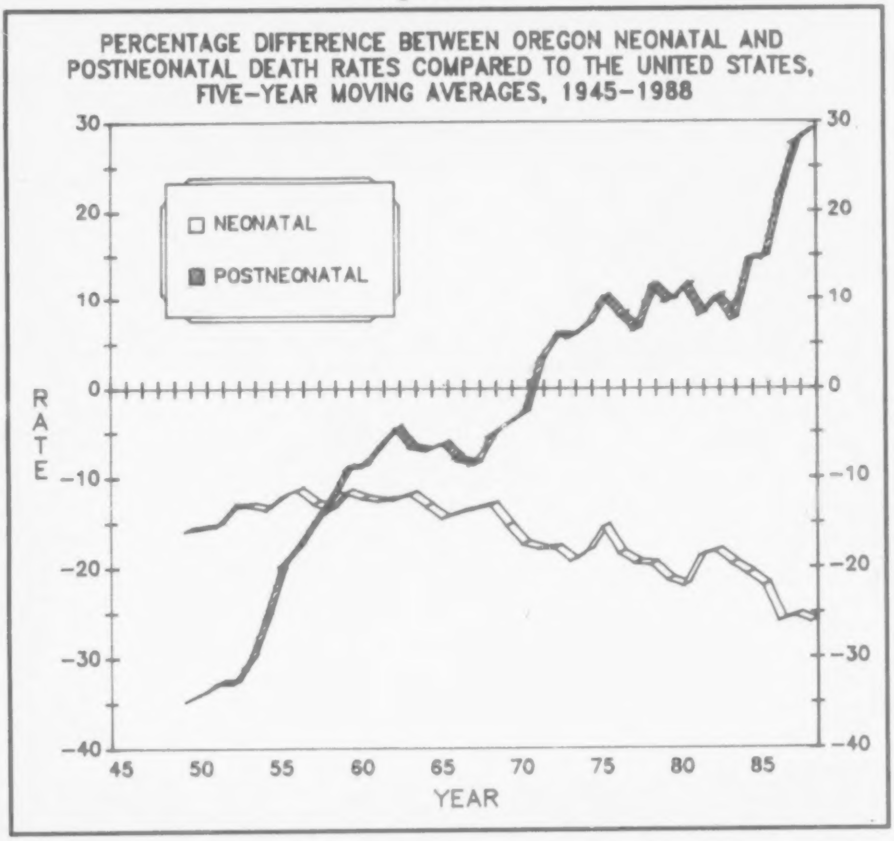
AIDS claims 46.2 percent more Oregonians during 1988 compared to 1987.

Figure 4-14.



INFANT DEATH. The infant death rate has often been used as an indicator of the general health of a population. During 1988, the infant death rate moved sharply downward from 10.4 per 1,000 live births in 1987 to 8.5 per 1,000 live births. This is the largest one-year drop in Oregon since World War II. The decline occurred in all age groups and for all major causes, except for respiratory conditions. No geographic pattern was evident; the

Figure 4-15.


PERCENTAGE DIFFERENCE BETWEEN OREGON NEONATAL AND POSTNEONATAL DEATH RATES COMPARED TO THE UNITED STATES, FIVE-YEAR MOVING AVERAGES, 1945–1988

number of infant deaths declined in 18 counties and increased in seven. Notable decreases occurred in Linn, Washington, Lane, and Clackamas counties. In all, 339 Oregon infants died in 1988, the lowest number in the state's history (since records were first kept in 1908).

Although the number of births increased during 1988, fewer infants died during the neonatal period (the first 27 days of life) than during 1987. The neonatal death rate fell from 5.5 to 4.5, an 18.2 percent decline and the largest one-year drop since 1975. Since the early 1960s, Oregon's neonatal death rate has improved vis-a-vis the United States. During 1988, the state's rate was 29.7 percent lower than the nation's (6.4).

The infant death rate fell to a record low during 1988.

The risk of death to Oregon infants during the postneonatal period has been, in recent years, substantially greater than that posed to all other U.S. infants. This was again true for 1988, but the magnitude of the difference lessened. Oregon's rate fell 18.4 percent to 4.0. Despite this improvement, the state's rate was still 14.3 percent higher than the nation's (3.5). Whether this sharp drop represents the beginning of a new trend or is simply a random statistical fluctuation is unknown at this time.

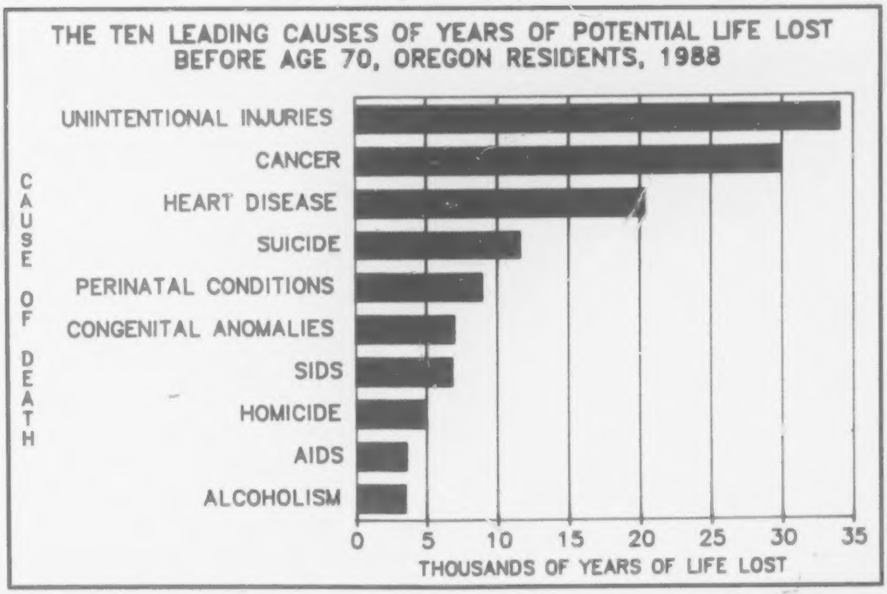
Ten years ago, 40.3 percent of Oregon infant deaths occurred in the postneonatal period. In 1988, 52.9 percent were in this age group. Technological advances in the medical care of neonates may also partially account for the higher proportion of postneonatal deaths by delaying the deaths of infants who would have otherwise died during the first 27 days of life. As changes occur in the ages of infants who die, strategies for improving infant survival must also change.

One reason the state postneonatal death rate is high is because Oregon has an elevated sudden infant death syndrome (SIDS) death rate. SIDS had ranked as the second leading cause of infant death, but since 1984 it has been the leading cause of infant death. Almost all SIDS deaths occur in the postneonatal period. Infants are more apt to die from SIDS if: they have a low birth weight, are non-white, have a mother who received little or no prenatal care, is teenaged, or unwed. However, this is true of most causes of infant deaths. Additional information is available in *Oregon Infant Deaths, 1981-1985 Birth Cohort*, also published by the Center.

YEARS OF POTENTIAL LIFE LOST. Mortality rates alone do not show the complete impact upon society of certain causes of death. The deaths of young people are of a greater "cost" to society than deaths of older people in terms of lost years. The years of potential life lost (YPLL) emphasizes mortality occurring in younger age groups and assumes that each individual has a set number of "productive" years. Table 4-23 lists the YPLL at age 65, 70 and 75. For example, a death at 21 would result in 44 years lost if the standard was 65, 49 if it was 70, and 54 if it was 75. The number of YPLL among the decedents are then totaled. Unless otherwise noted, references to YPLL in this report use 70 years as the standard.

This method places more emphasis on causes which affect the young. Figures 12 and 13 demonstrate the disparity between death rates and the years of potential life lost. Compared to crude death rates, both traumatic deaths and causes associated with infancy rank higher when years of potential life lost are tabulated. Unintentional injuries increase from fifth to first, suicides from eighth to fourth, and homicides from twelfth to eighth.

Figure 4-16.



THE TEN LEADING CAUSES OF YEARS OF POTENTIAL LIFE LOST BEFORE AGE 70, OREGON RESIDENTS, 1988

TABLE 4-1. AGE-SPECIFIC DEATH RATES BY SEX, OREGON, 1940, 1950, 1960, 1970, 1975, 1980-1988

YEAR & SEX	TOTAL	AGE GROUPS					
		0 - 4	5 - 14	15-24	25-44	45-64	65+
1940 Deaths	1131.4	953.9	116.6	199.1	317.7	1322.7	7154.3
Male	1336.2	1122.6	140.5	267.4	374.5	1650.8	7831.0
Female	912.7	788.1	91.9	130.4	258.2	944.7	6395.2
1950 Deaths	912.9	588.1	61.7	148.2	242.0	1105.7	5836.7
Male	10.2	459.9	74.1	226.0	317.4	1411.4	6619.2
Female	722.6	515.6	48.7	73.0	166.0	711.9	5025.0
1960 Deaths	949.1	566.3	42.5	107.0	210.5	1053.1	5796.9
Male	1141.2	640.3	53.3	158.4	273.3	1420.3	6854.2
Female	758.9	489.7	31.2	58.3	149.9	679.0	4838.8
1970 Deaths	933.8	411.4	42.9	134.4	184.4	1015.1	5617.3
Male	1107.6	4.8	56.5	198.9	241.7	1375.4	6893.0
Female	767.2	383.9	28.7	74.4	128.7	670.2	4607.6
1975 Deaths	876.1	364.8	32.5	118.0	164.4	925.1	5419.6
Male	1016.0	414.9	39.5	171.2	224.4	1239.7	6551.6
Female	747.2	312.5	25.3	64.9	107.4	631.0	4553.3
1980 Deaths	826.4	310.7	31.9	115.8	140.8	870.8	4977.2
Male	931.8	333.9	36.9	167.8	193.4	1157.4	6013.3
Female	724.1	286.1	26.7	63.6	87.5	602.9	4209.3
1981 Deaths	819.3	272.6	24.7	113.5	138.1	847.9	4913.6
Male	916.8	301.0	31.2	168.6	187.5	1118.5	5857.9
Female	724.7	242.8	18.0	57.9	88.1	594.5	4206.7
1982 Deaths	813.0	261.4	27.5	92.3	132.0	826.3	4850.4
Male	899.3	290.8	35.4	132.1	177.6	1053.1	5769.2
Female	729.2	230.9	19.2	51.5	86.2	614.0	4158.8
1983 Deaths	848.6	240.4	30.2	97.3	131.6	843.1	4909.3
Male	927.1	258.2	39.0	136.0	183.6	1074.5	5816.4
Female	773.0	221.8	21.0	57.9	81.8	626.9	4245.4
1984 Deaths	868.5	228.7	28.5	107.4	137.8	854.5	4956.6
Male	941.9	252.5	39.1	160.2	185.8	1083.3	5808.1
Female	797.5	204.1	17.4	53.0	89.6	639.3	4332.5
1985 Deaths	890.4	233.2	21.0	97.7	141.5	830.0	5074.7
Male	976.5	260.5	27.7	150.6	193.1	1067.4	6053.4
Female	807.2	204.8	14.0	42.9	90.0	605.9	4362.1
1986 Deaths	877.2	237.8	22.3	100.9	145.4	818.0	4854.3
Male	956.1	271.7	25.9	146.9	201.2	1052.7	5747.0
Female	800.5	201.9	18.5	53.0	89.8	595.5	4207.6
1987 Deaths	898.9	247.9	25.9	102.8	140.8	801.7	4963.0
Male	961.2	307.1	34.1	155.9	197.8	1004.4	5742.7
Female	839.0	186.3	17.3	47.2	84.1	608.8	4400.4
1988 Deaths	895.9	220.7	26.0	103.2	145.3	777.5	4942.2
Male	943.6	242.3	32.6	149.7	198.5	963.3	5685.9
Female	850.1	198.2	19.0	54.7	92.2	600.6	4410.5

All rates per 100,000 population within specific age-groups.

TABLE 4-2. LEADING CAUSES OF DEATH BY RANK ORDER FOR RESIDENT MALES AND FEMALES, OREGON, 1988

RANK	CAUSE OF DEATH	NUMBER	RATE	PERCENT
	MALES			
	TOTAL	12,677	943.6	100.0
1.	Diseases of the Heart	3,999	297.7	31.5
2.	Malignant Neoplasms	3,055	225.9	23.9
3.	Unintentional Injuries	809	60.2	6.4
4.	Cerebrovascular Disease	759	56.5	6.0
5.	Bronchitis, Emphysema, Asthma, & Chronic Obstructive Pulmonary Disease	698	52.0	5.5
6.	Influenza & Pneumonia	408	30.4	3.2
7.	Suicide	356	26.5	2.8
8.	Alcoholic Diseases	236	17.6	1.9
9.	Diabetes Mellitus	194	14.4	1.5
10.	Other Diseases of Arteries	188	14.0	1.5
11.	Arteriosclerosis	149	11.1	1.2
12.	AIDS	113	8.4	0.9
13.	Homicide & Legal Intervention	109	8.1	0.9
14.	Certain Causes in Early Perinatal Period	64	4.8	0.5
14.	Congenital Anomalies	64	4.6	0.5
	FEMALES			
	TOTAL	11,880	850.1	100.0
1.	Diseases of the Heart	3,663	262.1	30.8
2.	Malignant Neoplasms	2,766	197.9	23.3
3.	Cerebrovascular Disease	1,251	89.5	10.5
4.	Bronchitis, Emphysema, Asthma, & Chronic Obstructive Pulmonary Disease	505	36.1	4.3
5.	Influenza & Pneumonia	492	35.2	4.1
6.	Unintentional Injuries	381	27.3	3.2
7.	Diabetes Mellitus	245	17.5	2.1
8.	Arteriosclerosis	229	16.4	1.9
9.	Other Disease of Arteries	116	8.3	1.0
10.	Suicide	105	7.5	0.9
11.	Alcoholic Diseases	94	6.7	0.8
12.	Congenital Anomalies	69	4.9	0.6
13.	Certain Causes in Early Perinatal Period	64	4.6	0.5
14.	Hypertension with or without Renal Disease	62	4.4	0.5
15.	Nephritis & Nephrosis	53	3.8	0.4

TABLE 4-3. SELECTED LEADING CAUSES OF DEATHS WITH RATES, OREGON RESIDENTS, 1970-1988

YEAR	TOTAL	MAJOR CARDIOVASCULAR DIS.			MALIGNANT NEOPLASMS	CHRONIC RESPIRATORY DISEASES*	INFLUENZA AND PNEUMONIA	DIABETES MELLITUS
		DISEASES OF HEART	CEREBROVASCULAR DISEASE	ARTERIOSCLEROSIS				
1970	19,530	7,158	2,429	461	3,493	520	554	312
1971	20,087	7,492	2,377	455	3,608	577	566	285
1972	20,216	7,581	2,453	433	3,594	529	599	290
1973	20,881	7,569	2,593	501	3,718	633	782	331
1974	20,320	7,441	2,408	451	3,762	609	584	272
1975	20,142	7,342	2,355	429	3,917	624	606	310
1976	20,459	7,306	2,264	445	4,065	664	800	300
1977	20,457	7,239	2,096	445	4,283	625	562	284
1978	20,870	7,249	2,079	485	4,447	698	658	297
1979	21,024	7,329	2,041	444	4,608	728	608	285
1980	21,756	7,659	2,021	486	4,625	829	704	297
1981	21,798	7,639	1,986	509	4,839	856	609	303
1982	21,594	7,601	1,901	482	4,859	912	609	297
1983	22,361	7,910	2,021	470	4,943	971	634	329
1984	23,101	8,010	1,919	431	5,387	957	725	343
1985	23,824	8,192	2,000	432	5,410	1,097	838	317
1986	23,328	7,788	1,926	417	5,272	1,090	742	328
1987	24,181	7,936	1,958	440	5,594	1,233	743	395
1988	24,557	7,662	2,010	378	5,801	1,203	900	439
1970	933.8	342.3	116.1	22.0	167.0	24.9	26.5	14.9
1971	937.3	349.6	110.9	21.2	168.4	26.9	26.4	13.3
1972	926.0	347.2	112.4	19.8	164.6	24.2	27.4	13.3
1973	938.5	340.2	116.5	22.5	167.1	28.5	35.1	14.9
1974	896.7	328.4	106.3	19.9	166.0	26.9	25.8	12.0
1975	871.6	319.4	102.4	18.7	170.4	27.1	26.4	13.5
1976	873.7	312.0	96.7	19.0	173.6	28.4	34.2	12.8
1977	853.8	302.1	87.5	18.6	178.7	26.1	23.5	11.9
1978	844.3	293.2	84.1	19.6	179.9	28.2	26.6	12.0
1979	826.4	288.1	80.2	17.5	181.1	28.6	23.9	11.2
1980	826.4	290.9	76.8	18.5	175.7	31.5	26.7	11.3
1981	819.2	287.1	74.6	19.1	181.9	32.2	22.9	11.4
1982	813.0	286.2	71.6	18.1	182.9	34.3	22.9	11.2
1983	848.6	300.2	76.7	17.8	187.6	36.9	24.1	12.5
1984	868.5	301.1	72.1	16.2	202.5	36.0	27.3	12.9
1985	890.4	306.2	74.7	16.1	202.2	41.0	31.3	11.8
1986	877.2	292.8	72.4	15.7	198.2	41.0	27.9	12.3
1987	898.9	295.0	72.8	16.4	208.0	45.8	27.6	14.7
1988	895.9	279.5	73.3	13.8	211.6	43.9	32.8	16.0

All rates per 100,000 population.

* Includes Bronchitis, Emphysema, Asthma, and Chronic Obstructive Pulmonary Disease (ICD 490-496).

TABLE 4-3. SELECTED LEADING CAUSES OF DEATHS WITH RATES, OREGON RESIDENTS, 1970-1988, CONTINUED

YEAR	CIRRHOSIS OF LIVER	CERTAIN CAUSES IN EARLY INFANCY	CONGENITAL ANOMALIES	SIDS	AIDS	EXTERNAL CAUSES		
						Accident	Suicide	Homicide
1970	288	298	149	+	-	1,347	303	93
1971	338	314	175	+	-	1,314	319	81
1972	348	272	158	+	-	1,379	301	116
1973	367	240	154	+	-	1,307	364	112
1974	365	228	160	+	-	1,354	362	123
1975	331	233	153	+	-	1,204	361	130
1976	348	177	157	+	-	1,257	351	96
1977	377	194	168	84	-	1,324	399	125
1978	312	190	168	118	-	1,387	385	125
1979	352	195	155	94	-	1,367	351	113
1980	349	219	160	132	-	1,319	388	145
1981	370	214	140	117	-	1,285	398	118
1982	299	168	165	104	-	1,064	396	146
1983	301	148	156	97	2	1,156	417	112
1984	318	136	152	109	6	1,185	423	135
1985	283	135	154	107	24	1,207	417	123
1986	308	119	142	121	70	1,184	450	181
1987	253	160	142	115	78	1,185	400	164
1988	289	128	133	99	114	1,190	461	152
1970	13.8	14.2	7.1	+	0.0	64.4	14.5	4.4
1971	15.8	14.7	8.2	+	0.0	61.3	14.9	3.8
1972	15.9	12.5	7.2	+	0.0	63.2	13.8	5.3
1973	16.5	10.8	6.9	+	0.0	58.7	16.4	5.0
1974	16.1	10.1	7.1	+	0.0	59.8	16.0	5.4
1975	14.4	10.1	6.7	+	0.0	52.4	15.7	5.7
1976	14.9	7.6	6.7	+	0.0	53.7	15.0	5.1
1977	15.7	8.1	7.0	3.5	0.0	55.3	16.7	5.2
1978	12.6	7.7	6.8	4.8	0.0	56.1	15.6	5.1
1979	13.8	7.7	6.1	3.7	0.0	53.7	13.8	4.4
1980	13.3	8.3	6.1	5.0	0.0	50.1	14.7	5.5
1981	13.9	8.0	5.3	4.4	0.0	48.3	15.0	4.4
1982	11.3	6.3	6.2	3.9	0.0	40.1	14.9	5.5
1983	11.4	5.6	5.9	3.7	0.0	43.9	15.8	4.3
1984	12.0	5.1	5.7	4.1	0.0	44.5	15.9	5.1
1985	10.6	5.0	5.8	4.0	0.9	45.1	15.6	4.6
1986	11.6	4.5	5.3	4.5	2.6	44.5	16.9	6.8
1987	9.4	5.9	5.3	4.3	2.9	44.1	14.9	6.1
1988	10.5	4.7	4.9	3.6	4.2	43.4	16.8	5.5

All rates per 100,000 population.

+ Unknown prior to 1977; there was no ICD code for SIDS.

TABLE 4-4. THE FIVE PRINCIPAL CAUSES OF DEATH BY AGE GROUPS, OREGON, 1988

AGE AND CAUSE OF DEATH	BOTH SEXES		RATE*	
	Number	Percent	Male	Female
ALL AGES ALL CAUSES	24,557	100.0	916.7	781.5
1. Diseases of the Heart	7,662	31.2	297.7	262.1
2. Malignant Neoplasms	5,801	23.6	225.9	197.9
3. Cerebrovascular Diseases	2,010	8.2	56.5	89.5
4. Bronchitis, Emphysema, Asthma & Chronic Obstructive Pulmonary Diseases	1,203	4.9	52.0	36.1
5. Unintentional Injuries	1,190	4.8	60.2	27.3
UNDER 1 YEAR** ALL CAUSES	339	100.0	1,275.1	797.2
2. Congenital Anomalies	74	21.8	205.9	164.5
3. Respiratory Distress Syndrome	29	8.6	93.1	51.4
4. Immaturity	25	7.4	63.7	61.7
5. Other Respiratory	19	5.6	39.2	56.6
1 - 4 YEARS ALL CAUSES	86	100.0	65.5	46.7
1. Unintentional Injuries	37	43.0	30.8	17.4
2. Congenital Anomalies	12	14.0	6.4	9.3
3. Malignant Neoplasms	9	10.5	6.4	5.3
4. Homicides	4	4.7	5.1	0.0
4. Diseases of the Heart	4	4.7	3.9	1.3
5 - 14 YEARS ALL CAUSES	101	100.0	32.6	19.0
1. Unintentional Injuries	43	53.5	21.6	5.8
2. Malignant Neoplasms	11	10.9	1.5	4.2
3. Congenital Anomalies	4	4.0	0.5	1.6
4. Suicide	3	3.0	1.5	0.0
4. Influenza and Pneumonia	3	3.0	1.0	0.5

* Rates per 100,000 population except where noted.
** Rate per 100,000 live births.

TABLE 4-4. 1988, Continued

AGE AND CAUSE OF DEATH	BOTH SEXES		RATE*	
	Number	Percent	Male	Female
15 - 24 YEARS ALL CAUSES	409	100.0	149.7	54.7
1. Unintentional Injuries	245	59.9	91.9	30.4
2. Suicides	66	16.1	28.2	4.6
3. Homicides	30	7.3	9.9	5.2
4. Malignant Neoplasms	22	5.4	4.9	6.2
5. Diseases of the Heart	7	1.7	2.5	1.0
25 - 44 YEARS ALL CAUSES	1,305	100.0	198.5	92.2
1. Unintentional Injuries	361	27.7	60.7	19.8
2. Malignant Neoplasms	209	16.0	19.0	27.6
3. Suicides	181	13.8	30.6	9.8
4. Diseases of the Heart	127	9.7	21.4	6.9
5. AIDS	84	6.4	18.7	0.0
45 - 64 YEARS ALL CAUSES	3,814	100.0	963.3	600.6
1. Malignant Neoplasms	1,432	37.5	301.7	282.6
2. Diseases of the Heart	1,080	28.3	325.6	119.8
3. Bronchitis, Emphysema, Asthma & Chronic Obstructive Pulmonary Diseases	164	4.3	38.0	29.1
4. Alcoholic Diseases	151	4.0	46.0	16.3
5. Unintentional Injuries	149	3.9	47.6	13.9
65 YEARS & OVER ALL CAUSES	18,501	100.0	5,685.9	4,410.5
1. Diseases of the Heart	6,437	34.8	1,993.3	1,523.8
2. Malignant Neoplasms	4,117	22.3	1,416.0	873.7
3. Cerebrovascular Diseases	1,855	10.0	435.7	538.3
4. Bronchitis, Emphysema, Asthma & Chronic Obstructive Pulmonary Diseases	1,032	5.6	387.0	196.1
5. Influenza & Pneumonia	838	4.5	235.8	215.3

TABLE 4-5. DEATHS BY MARITAL STATUS, SEX, AND AGE GROUPS, OREGON RESIDENTS, 1988

MARITAL STATUS AND SEX	TOTAL	AGE AT DEATH							
		< 15	15-19	20-24	25-29	30-34	35-44	40-44	45-49
TOTAL......	24,557	526	207	202	252	311	356	388	476
MALE.....	12,677	303	144	159	176	225	243	248	285
FEMALE...	11,880	223	63	43	76	86	113	140	191
SINGLE.....	2,234	525	200	160	144	102	97	50	37
MALE.....	1,451	303	140	136	112	88	77	44	27
FEMALE...	783	222	60	24	32	14	20	6	10
MARRIED....	11,004	1	6	33	80	136	136	212	287
MALE.....	7,596	-	3	18	48	88	79	127	164
FEMALE...	3,408	1	3	15	32	48	57	85	123
WIDOWED....	8,694	-	-	2	1	2	11	6	13
MALE.....	2,100	-	-	2	-	1	7	-	5
FEMALE...	6,594	-	-	-	1	1	4	6	8
DIVORCED...	2,552	-	-	6	25	69	105	117	137
MALE.....	1,469	-	-	2	14	46	73	74	87
FEMALE...	1,083	-	-	4	11	23	32	43	50
UNKNOWN....	73	-	1	1	2	2	7	3	2
MALE.....	61	-	1	1	2	2	7	3	2
FEMALE...	12	-	-	-	-	-	-	-	-

	AGE AT DEATH									
	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90+	N.S.
TOTAL......	619	1,039	1,680	2,380	3,122	3,695	3,569	2,851	2,884	-
MALE.....	373	618	1,029	1,426	1,827	2,003	1,701	1,115	802	-
FEMALE...	246	421	651	954	1,295	1,692	1,868	1,736	2,082	-
SINGLE.....	34	53	76	109	114	139	156	129	109	-
MALE.....	26	35	61	87	84	89	70	42	30	-
FEMALE...	8	18	15	22	30	50	86	87	79	-
MARRIED....	388	685	1,117	1,493	1,895	1,924	1,455	789	367	-
MALE.....	238	411	727	997	1,329	1,376	1,094	606	291	-
FEMALE...	150	274	390	496	566	548	361	183	76	-
WIDOWED....	34	82	205	449	792	1,318	1,720	1,782	2,277	-
MALE.....	9	26	60	139	220	363	431	400	437	-
FEMALE...	25	56	145	310	572	955	1,289	1,382	1,840	-
DIVORCED...	160	214	274	322	312	311	228	146	126	-
MALE.....	99	141	174	198	186	172	98	66	39	-
FEMALE...	61	73	100	124	126	139	130	80	87	-
UNKNOWN....	3	5	8	7	9	3	10	5	5	-
MALE.....	1	5	7	5	8	3	8	1	5	-
FEMALE...	2	-	1	2	1	-	2	4	-	-

- QUANTITY IS ZERO

TABLE 4-6. RESIDENT DEATHS FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1988

9TH REV. ICD	CAUSE OF DEATH	Total	AGE GROUPS										
			< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
TOTAL		24,557	339	86	101	409	563	744	1,095	2,719	5,502	7,264	5,735
	MALE	12,677	187	51	65	303	401	491	658	1,647	3,253	3,704	1,917
	FEMALE	11,880	152	35	36	106	162	253	437	1,072	2,249	3,560	3,818
	I. INFECTIVE AND PARASITIC DISEASES	351	1	3	2	6	51	53	29	34	43	67	62
	MALE	226	-	2	2	6	49	47	23	23	28	29	17
	FEMALE	125	1	1	-	-	2	6	6	11	15	38	45
010-018, 137	TUBERCULOSIS, ALL FORMS	16	-	-	-	-	1	1	1	2	4	7	-
	MALE	10	-	-	-	-	1	1	1	-	3	4	-
	FEMALE	6	-	-	-	-	-	-	-	2	1	3	-
038	SEPTICEMIA	104	-	-	-	-	-	4	5	7	16	38	34
	MALE	43	-	-	-	-	-	3	2	4	10	14	10
	FEMALE	61	-	-	-	-	-	1	3	3	6	24	24
042-044	AIDS	114	-	1	1	4	45	39	15	4	4	-	1
	MALE	113	-	1	1	4	45	39	15	4	3	-	1
	FEMALE	1	-	-	-	-	-	-	-	-	1	-	-
070	VIRAL HEPATITIS	33	-	-	-	1	3	5	2	7	9	2	4
	MALE	20	-	-	-	1	1	2	2	5	5	1	3
	FEMALE	13	-	-	-	-	2	3	-	2	4	1	1
RESIDUAL OF 001-139	OTHER INFECTIVE & PARASITIC DISEASES	84	1	2	1	1	2	4	6	14	10	20	23
	MALE	40	-	1	1	1	2	2	3	10	7	10	3
	FEMALE	44	1	1	-	-	-	2	3	4	3	10	20
	II. NEOPLASMS	5,859	1	9	11	22	52	161	400	1,040	1,872	1,657	634
	MALE	3,066	-	5	3	10	26	61	182	547	1,030	915	287
	FEMALE	2,793	1	4	8	12	26	100	218	493	842	742	347
140-208	MALIGNANT NEOPLASMS	5,801	1	9	11	22	51	158	398	1,034	1,857	1,640	620
	MALE	3,035	-	5	3	10	26	59	180	542	1,019	908	283
	FEMALE	2,766	1	4	8	12	25	99	218	492	838	732	337
140-149	OF BUCCAL CAVITY & PHARYNX	80	-	-	-	-	-	-	5	23	35	12	5
	MALE	45	-	-	-	-	-	-	3	14	18	7	3
	FEMALE	35	-	-	-	-	-	-	2	9	17	5	2
150-159	OF DIGESTIVE ORGANS & PERITONEUM	1,333	-	-	-	2	8	27	75	205	398	432	186
	MALE	706	-	-	-	-	5	10	49	125	240	204	73
	FEMALE	627	-	-	-	2	3	17	26	80	158	228	113

TABLE 4-6. RESIDENT DEATHS FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1988-Continued

9TH REV. ICD	CAUSE OF DEATH		Total	AGE GROUPS										
				< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
150	ESOPHAGUS		106	-	-	-	-	-	1	8	23	40	24	10
		MALE.....	73	-	-	-	-	-	-	8	18	29	16	2
		FEMALE...	33	-	-	-	-	-	1	-	5	11	8	8
151	STOMACH		132	-	-	-	-	1	2	7	16	35	50	21
		MALE.....	75	-	-	-	-	1	1	5	13	22	24	9
		FEMALE...	57	-	-	-	-	-	1	2	3	13	26	12
153	LARGE INTESTINE (EXC. RECTUM)		496	-	-	-	-	2	6	20	79	144	169	76
		MALE.....	261	-	-	-	-	2	3	11	48	83	84	30
		FEMALE...	235	-	-	-	-	-	3	9	31	61	85	46
154	RECTUM		109	-	-	-	-	2	2	5	16	30	41	13
		MALE.....	59	-	-	-	-	1	2	4	8	18	17	9
		FEMALE...	50	-	-	-	-	1	-	1	8	12	24	4
157	PANCREAS		302	-	-	-	-	3	11	22	46	92	89	39
		MALE.....	154	-	-	-	-	1	2	16	24	58	37	16
		FEMALE...	148	-	-	-	-	2	9	6	22	34	52	23
160-165	OF RESPIRATORY/INTRATHORACIC ORGAN		1,710	-	1	1	-	4	25	125	383	667	419	85
		MALE.....	1,087	-	1	-	-	2	17	77	238	401	301	50
		FEMALE...	623	-	-	1	-	2	8	48	145	266	118	35
162.2-.9	BRONCHUS AND LUNG		1,654	-	-	-	-	4	24	122	371	648	405	80
		MALE.....	1,044	-	-	-	-	2	16	74	227	389	289	47
		FEMALE...	610	-	-	-	-	2	8	48	144	259	116	33
170-175	OF BONE, CONNECTIVE TISSUE, SKIN AND BREAST		649	-	-	2	1	15	50	94	135	155	145	52
		MALE.....	84	-	-	-	-	4	10	10	21	14	23	2
		FEMALE...	565	-	-	2	1	11	40	84	114	141	122	50
172	MALIGNANT MELANOMA		71	-	-	-	-	5	11	8	17	11	14	5
		MALE.....	40	-	-	-	-	1	5	5	13	6	8	2
		FEMALE...	31	-	-	-	-	4	6	3	4	5	6	3
173	OTHER SKIN		22	-	-	-	-	-	1	4	4	5	6	2
		MALE.....	12	-	-	-	-	-	1	4	1	3	3	-
		FEMALE...	10	-	-	-	-	-	-	-	3	2	3	2
174-175	BREAST		504	-	-	-	-	6	32	80	103	128	112	43
		MALE.....	7	-	-	-	-	-	1	-	1	2	3	-
		FEMALE...	497	-	-	-	-	6	31	80	102	126	109	43
179-187	OF GENITAL ORGANS		669	-	-	-	1	8	12	24	82	202	233	107
		MALE.....	391	-	-	-	-	3	2	1	30	107	170	78
		FEMALE...	278	-	-	-	1	5	10	23	52	95	63	29

TABLE 4-6. RESIDENT DEATHS FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1988-Continued

9TH REV. ICD	CAUSE OF DEATH		Total	AGE GROUPS										
				< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
179-182	CERVIX & UTERUS		121	-	-	-	1	4	5	8	21	37	30	15
		FEMALE...	121	-	-	-	1	4	5	8	21	37	30	15
183.0	OVARY		148	-	-	-	-	1	5	14	30	55	31	12
		FEMALE...	148	-	-	-	-	1	5	14	30	55	31	12
185	PROSTATE		379	-	-	-	-	-	-	-	28	106	169	76
		MALE.....	379	-	-	-	-	-	-	-	28	106	169	76
188-189	OF URINARY ORGANS		239	-	-	-	-	-	2	12	30	69	79	47
		MALE.....	162	-	-	-	-	-	1	9	22	53	49	28
		FEMALE...	77	-	-	-	-	-	1	3	8	16	30	19
188	BLADDER		120	-	-	-	-	-	-	4	12	30	47	27
		MALE.....	83	-	-	-	-	-	-	3	9	23	32	16
		FEMALE...	37	-	-	-	-	-	-	1	3	7	15	11
190-199	OF OTHER & UNSPECIFIED SITES		481	1	1	3	2	9	16	34	84	153	118	60
		MALE.....	234	-	1	-	1	7	6	17	41	86	53	22
		FEMALE...	247	1	-	3	1	2	10	17	43	67	65	38
191	BRAIN		163	1	1	2	2	7	14	15	29	51	31	10
		MALE.....	92	-	1	-	1	6	6	7	15	29	21	6
		FEMALE...	71	1	-	2	1	1	8	8	14	22	10	4
200-208	OF LYMPHATIC AND HEMATOPOIETIC TISSUES		640	-	7	5	16	7	26	29	92	178	202	78
		MALE.....	326	-	3	3	9	5	13	14	51	100	101	27
		FEMALE...	314	-	4	2	7	2	13	15	41	78	101	51
204-208	LEUKEMIA		253	-	6	4	8	4	11	14	26	67	79	34
		MALE.....	134	-	2	2	4	2	5	6	19	40	44	10
		FEMALE...	119	-	4	2	4	2	6	8	7	27	35	24
204	LYMPHATIC LEUKEMIA		93	-	3	2	2	1	-	4	9	24	28	20
		MALE.....	51	-	1	2	-	1	-	2	6	15	19	5
		FEMALE...	42	-	2	-	2	-	-	2	3	9	9	15
210-229	BENIGN NEOPLASMS		10	-	-	-	-	-	1	1	2	2	3	1
		MALE.....	7	-	-	-	-	-	1	1	2	2	1	-
		FEMALE...	3	-	-	-	-	-	-	-	-	-	2	1
230-239	IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED NATURE NEOPLASMS		48	-	-	-	-	1	2	1	4	13	14	13
		MALE.....	24	-	-	-	-	-	1	1	3	9	6	4
		FEMALE...	24	-	-	-	-	1	1	-	1	4	8	9

TABLE 4-6. RESIDENT DEATHS FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1988-Continued

9TH REV. ICD	CAUSE OF DEATH	Total	AGE GROUPS										
			< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
	III. ENDOCRINE, NUTRITIONAL, AND METABOLIC DISEASES	581	5	-	5	7	14	23	32	72	138	161	124
	MALE.....	249	2	-	1	5	7	16	19	30	67	73	29
	FEMALE...	332	3	-	4	2	7	7	13	42	71	88	95
250	DIABETES MELLITUS	439	-	-	-	3	9	21	24	54	117	127	84
	MALE.....	194	-	-	-	3	5	14	14	24	56	56	22
	FEMALE...	245	-	-	-	-	4	7	10	30	61	71	62
240-279	OTHER ENDOCRINE, NUTRITIONAL, AND METABOLIC DISEASES	142	5	-	5	4	5	2	8	18	21	34	40
	MALE.....	55	2	-	1	2	2	2	5	6	11	17	7
	FEMALE...	87	3	-	4	2	3	-	3	12	10	17	33
	IV. DISEASES OF THE BLOOD AND METABOLIC DISEASES	90	1	-	2	1	-	-	3	14	10	35	24
	MALE.....	44	-	-	1	1	-	-	1	9	7	19	6
	FEMALE...	46	1	-	1	-	-	-	2	5	3	16	18
280-285	ANEMIAS	34	1	-	1	1	-	-	1	4	-	10	16
	MALE.....	17	-	-	1	1	-	-	1	2	-	7	5
	FEMALE...	17	1	-	-	-	-	-	-	2	-	3	11
RESIDUAL OF 280-289	OTHER DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS	56	-	-	1	-	-	-	2	10	10	25	8
	MALE.....	27	-	-	-	-	-	-	-	7	7	12	1
	FEMALE...	29	-	-	1	-	-	-	2	3	3	13	7
	V. MENTAL DISORDERS	457	-	-	-	1	14	18	19	33	59	112	201
	MALE.....	201	-	-	-	-	10	13	14	27	33	51	53
	FEMALE...	256	-	-	-	1	4	5	5	6	26	61	148
291	ALCOHOLIC PSYCHOSES	6	-	-	-	-	1	1	-	2	-	2	-
	MALE.....	4	-	-	-	-	1	-	-	2	-	1	-
	FEMALE...	2	-	-	-	-	-	1	-	-	-	1	-
303	ALCOHOLISM	80	-	-	-	-	4	7	13	22	23	10	1
	MALE.....	63	-	-	-	-	2	6	10	18	18	8	1
	FEMALE...	17	-	-	-	-	2	1	3	4	5	2	-
304	DRUG DEPENDENCE	18	-	-	-	-	8	8	-	1	-	1	-
	MALE.....	15	-	-	-	-	7	6	-	1	-	1	-
	FEMALE...	3	-	-	-	-	1	2	-	-	-	-	-

TABLE 4-6. RESIDENT DEATHS FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1988-Continued

9TH REV. ICD	CAUSE OF DEATH		Total	AGE GROUPS										
				< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
305	NON-DEPENDENT DRUG ABUSE		27	-	-	-	-	-	2	3	6	9	4	3
		MALE.....	17	-	-	-	-	-	1	3	4	5	2	2
		FEMALE...	10	-	-	-	-	-	1	-	2	4	2	1
RESIDUAL OF 290-319	OTHER MENTAL DISORDERS		326	-	-	-	1	1	-	3	2	27	95	197
		MALE.....	102	-	-	-	-	-	-	1	2	10	39	50
		FEMALE...	224	-	-	-	1	1	-	2	-	17	56	147
	VI. DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS		622	2	7	6	3	6	14	20	35	113	253	163
		MALE.....	268	-	3	2	3	2	8	13	11	54	120	52
		FEMALE...	354	2	4	4	-	4	6	7	24	59	133	111
320-322	MENINGITIS		13	-	4	-	-	-	-	1	-	4	3	1
		MALE.....	5	-	2	-	-	-	-	1	-	2	-	-
		FEMALE...	8	-	2	-	-	-	-	-	-	2	3	1
3310	ALZHEIMER'S DISEASE		261	-	-	-	-	-	-	-	1	32	127	101
		MALE.....	95	-	-	-	-	-	-	-	-	14	57	24
		FEMALE...	166	-	-	-	-	-	-	-	1	18	70	77
332	PARKINSON'S DISEASE		131	-	-	-	-	-	-	-	5	22	62	42
		MALE.....	73	-	-	-	-	-	-	-	1	12	37	23
		FEMALE...	58	-	-	-	-	-	-	-	4	10	25	19
345	EPILEPSY		27	-	1	-	1	3	7	2	1	5	6	1
		MALE.....	16	-	-	-	1	1	6	2	1	2	3	-
		FEMALE...	11	-	1	-	-	2	1	-	-	3	3	1
RESIDUAL OF 320-389	OTHER DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS		190	2	2	6	2	3	7	17	28	50	55	18
		MALE.....	79	-	1	2	2	1	2	10	9	24	23	5
		FEMALE...	111	2	1	4	-	2	5	7	19	26	32	13
	VII. DISEASES OF THE CIRCULATORY SYSTEM		10,526	5	5	3	12	44	116	323	955	2,210	3,501	3,352
		MALE.....	5,169	4	4	2	8	28	92	228	654	1,403	1,723	1,023
		FEMALE...	5,357	1	1	1	4	16	24	95	301	807	1,778	2,329
390-448	MAJOR CARDIOVASCULAR DISEASES		10,476	5	5	3	12	42	116	322	946	2,195	3,490	3,340
		MALE.....	5,151	4	4	2	8	27	92	228	651	1,395	1,718	1,022
		FEMALE...	5,325	1	1	1	4	15	24	94	295	800	1,772	2,318

TABLE 4-6. RESIDENT DEATHS FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1988-Continued

9TH REV. ICD	CAUSE OF DEATH	Total	AGE GROUPS										
			< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
390-398, 402, 404-429	DISEASES OF THE HEART	7,672	5	4	2	7	32	97	278	805	1,730	2,464	2,248
	MALE.....	4,005	4	3	1	5	20	78	206	575	1,146	1,254	713
	FEMALE...	3,667	1	1	1	2	12	19	72	230	584	1,210	1,535
390-398	RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE	86	-	-	-	1	2	-	4	11	25	28	15
	MALE.....	22	-	-	-	-	-	-	3	3	11	3	2
	FEMALE...	64	-	-	-	1	2	-	1	8	14	25	13
402,404	HYPERTENSIVE HEART DISEASE WITH/WITHOUT RENAL DISEASE	214	-	-	-	-	-	-	6	12	45	78	73
	MALE.....	73	-	-	-	-	-	-	4	7	22	25	15
	FEMALE...	141	-	-	-	-	-	-	2	5	23	53	58
410-414	ISCHEMIC HEART DISEASE	5,695	-	-	-	-	17	67	222	646	1,335	1,856	1,552
	MALE.....	3,150	-	-	-	-	13	56	167	475	918	997	524
	FEMALE...	2,545	-	-	-	-	4	11	55	171	417	859	1,028
410	MYOCARDIAL INFARCTION	2,175	-	-	-	-	5	26	90	280	593	710	471
	MALE.....	1,243	-	-	-	-	2	23	67	201	397	393	160
	FEMALE...	932	-	-	-	-	3	3	23	79	196	317	311
411	OTHER ACUTE AND SUBACUTE	6	-	-	-	-	-	-	-	-	3	1	2
	MALE.....	5	-	-	-	-	-	-	-	-	3	1	1
	FEMALE...	1	-	-	-	-	-	-	-	-	-	-	1
412-414	CHRONIC ISCHEMIC HEART DISEASE	3,514	-	-	-	-	12	41	132	366	739	1,145	1,079
	MALE.....	1,902	-	-	-	-	11	33	100	274	518	603	363
	FEMALE...	1,612	-	-	-	-	1	8	32	92	221	542	716
415-429	ALL OTHER FORMS	1,677	5	4	2	6	13	30	46	136	325	502	608
	MALE.....	760	4	3	1	5	7	22	32	90	195	229	172
	FEMALE...	917	1	1	1	1	6	8	14	46	130	273	436
401,403	HYPERTENSION	112	-	-	1	-	-	1	1	10	20	43	36
	MALE.....	50	-	-	1	-	-	1	1	4	9	23	11
	FEMALE...	62	-	-	-	-	-	-	-	6	11	20	25
430-438	CEREBROVASCULAR DISEASE	2,010	-	1	-	3	8	15	34	94	318	767	770
	MALE.....	759	-	1	-	1	5	10	17	45	156	326	198
	FEMALE...	1,251	-	-	-	2	3	5	17	49	162	441	572
430	SUBARACHNOID HEMORRHAGE	100	-	1	-	1	3	9	18	17	21	23	7
	MALE.....	32	-	1	-	-	1	5	7	2	8	5	3
	FEMALE...	68	-	-	-	1	2	4	11	15	13	18	4

TABLE 4-6. RESIDENT DEATHS FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1988-Continued

9TH REV. ICD	CAUSE OF DEATH	Total	AGE GROUPS										
			< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
431-432	INTRACEREBRAL & INTRACRANIAL HEMORRHAGES	240	-	-	-	1	3	5	6	31	48	99	47
	MALE.....	99	-	-	-	1	2	4	4	17	25	37	9
	FEMALE...	141	-	-	-	-	1	1	2	14	23	62	38
434	CEREBRAL THROMBOSIS & EMBOLISM	273	-	-	-	-	-	-	3	8	46	104	112
	MALE.....	96	-	-	-	-	-	-	1	5	24	40	26
	FEMALE...	177	-	-	-	-	-	-	2	3	22	64	86
436	ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE	1,134	-	-	-	-	1	-	5	30	173	451	474
	MALE.....	430	-	-	-	-	1	-	3	18	85	199	124
	FEMALE...	704	-	-	-	-	-	-	2	12	88	252	350
437	GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE	151	-	-	-	1	1	-	-	5	15	38	91
	MALE.....	50	-	-	-	-	1	-	-	1	6	13	29
	FEMALE...	101	-	-	-	1	-	-	-	4	9	25	62
440	ARTERIOSCLEROSIS	378	-	-	-	-	-	-	4	8	52	92	222
	MALE.....	149	-	-	-	-	-	-	1	5	29	40	74
	FEMALE...	229	-	-	-	-	-	-	3	3	23	52	148
441-448	OTHER DISEASES OF ARTERIES, ARTERIOLES & CAPILLARIES	304	-	-	-	2	2	3	5	29	75	124	64
	MALE.....	188	-	-	-	2	2	3	3	22	55	75	26
	FEMALE...	116	-	-	-	-	-	-	2	7	20	49	38
451-453	VENOUS THROMBOSIS & EMBOLISM	23	-	-	-	-	2	-	1	5	5	4	6
	MALE.....	5	-	-	-	-	1	-	-	1	2	1	-
	FEMALE...	18	-	-	-	-	1	-	1	4	3	3	6
RESIDUAL OF 390-459	OTHER DISEASES OF THE CIRCULATORY SYSTEM	27	-	-	-	-	-	-	-	4	10	7	6
	MALE.....	13	-	-	-	-	-	-	-	2	6	4	1
	FEMALE...	14	-	-	-	-	-	-	-	2	4	3	5
	VIII. DISEASES OF THE RESPIRATORY SYSTEM	2,343	9	3	5	4	8	14	44	185	557	878	636
	MALE.....	1,240	6	2	3	-	5	8	25	110	332	491	258
	FEMALE...	1,103	3	1	2	4	3	6	19	75	225	387	378
480-487	PNEUMONIA & INFLUENZA	900	2	2	3	3	7	6	11	28	119	296	423
	MALE.....	408	2	1	2	-	4	4	8	19	74	147	147
	FEMALE...	492	-	1	1	3	3	2	3	9	45	149	276

TABLE 4-6. RESIDENT DEATHS FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1988-Continued

9TH REV. ICD	CAUSE OF DEATH	Total	AGE GROUPS										
			< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
480-486	PNEUMONIA	856	2	1	2	1	7	6	11	27	112	284	403
	MALE.....	394	2	-	1	-	4	4	8	18	72	143	142
	FEMALE...	462	-	1	1	1	3	2	3	9	40	141	261
487	INFLUENZA	44	-	1	1	2	-	-	-	1	7	12	20
	MALE.....	14	-	1	1	-	-	-	-	1	2	4	5
	FEMALE...	30	-	-	-	2	-	-	-	-	5	8	15
490-496	CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	1,203	-	-	-	1	-	6	27	137	389	486	157
	MALE.....	698	-	-	-	-	-	3	15	76	225	289	90
	FEMALE...	505	-	-	-	1	-	3	12	61	164	197	67
490-491	CHRONIC & UNSPECIFIED BRONCHITIS	53	-	-	-	-	-	-	-	7	22	15	9
	MALE.....	28	-	-	-	-	-	-	-	4	17	4	3
	FEMALE...	25	-	-	-	-	-	-	-	3	5	11	6
492	EMPHYSEMA	281	-	-	-	-	-	-	5	41	79	126	30
	MALE.....	174	-	-	-	-	-	-	3	20	44	84	23
	FEMALE...	107	-	-	-	-	-	-	2	21	35	42	7
493	ASTHMA	81	-	-	-	1	-	5	8	9	22	30	6
	MALE.....	30	-	-	-	-	-	3	4	4	11	7	1
	FEMALE...	51	-	-	-	1	-	2	4	5	11	23	5
494	BRONCHIECTASIS	11	-	-	-	-	-	-	-	1	5	3	2
	MALE.....	4	-	-	-	-	-	-	-	-	2	1	1
	FEMALE...	7	-	-	-	-	-	-	-	1	3	2	1
495	EXTRINSIC ALLERGIC ALVEOLITIS	3	-	-	-	-	-	-	-	1	-	2	-
	MALE.....	1	-	-	-	-	-	-	-	-	-	1	-
	FEMALE...	2	-	-	-	-	-	-	-	1	-	1	-
496	CHRONIC AIRWAYS OBSTRUCTION NOT ELSEWHERE CLASSIFIED (COPD)	774	-	-	-	-	-	1	14	78	261	310	110
	MALE.....	461	-	-	-	-	-	-	8	48	151	192	62
	FEMALE...	313	-	-	-	-	-	1	6	30	110	118	48
RESIDUAL OF 460-519	OTHER DISEASES OF THE RESPIRATORY SYSTEM	240	7	1	2	-	1	2	6	20	49	96	56
	MALE.....	134	4	1	1	-	1	1	2	15	33	55	21
	FEMALE...	106	3	-	1	-	-	1	4	5	16	41	35
	IX. DISEASES OF THE DIGESTIVE SYSTEM	842	1	1	2	-	8	31	66	136	195	210	192
	MALE.....	416	1	-	1	-	6	18	36	89	108	103	54
	FEMALE...	426	-	1	1	-	2	13	30	47	87	107	138

TABLE 4-6. RESIDENT DEATHS FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1988-Continued

9TH REV. ICD	CAUSE OF DEATH	Total	AGE GROUPS										
			< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
531	ULCER OF THE STOMACH	21	-	-	-	-	1	-	1	1	7	6	5
	MALE.....	12	-	-	-	-	1	-	-	1	4	4	2
	FEMALE...	9	-	-	-	-	-	-	1	-	3	2	3
532	ULCER OF THE DUODENUM	24	-	-	-	-	-	-	-	2	6	11	5
	MALE.....	12	-	-	-	-	-	-	-	2	5	5	-
	FEMALE...	12	-	-	-	-	-	-	-	-	1	6	5
533	PEPTIC ULCER	46	-	-	-	-	-	-	-	3	17	11	15
	MALE.....	23	-	-	-	-	-	-	-	3	11	3	6
	FEMALE...	23	-	-	-	-	-	-	-	-	6	8	9
550-553, 560	HERNIA & INTESTINAL OBSTRUCTION	51	-	-	-	-	-	-	2	7	8	15	19
	MALE.....	18	-	-	-	-	-	-	1	4	4	8	1
	FEMALE...	33	-	-	-	-	-	-	1	3	4	7	18
571	CIRRHOSIS OF THE LIVER	289	-	-	1	-	5	23	42	82	80	44	12
	MALE.....	181	-	-	-	-	3	16	26	54	50	26	6
	FEMALE...	108	-	-	1	-	2	7	16	28	30	18	6
571.0-.3	ALCOHOLIC CIRRHOSIS OF THE LIVER	232	-	-	-	-	5	22	39	71	63	28	4
	MALE.....	161	-	-	-	-	3	15	26	51	43	20	3
	FEMALE...	71	-	-	-	-	2	7	13	20	20	8	1
574-576	DISEASES OF THE GALLBLADDER	56	-	-	-	-	-	1	3	1	8	16	27
	MALE.....	23	-	-	-	-	-	-	1	-	5	10	7
	FEMALE...	33	-	-	-	-	-	1	2	1	3	6	20
577	DISEASES OF THE PANCREAS	23	-	-	-	-	-	1	4	1	9	5	3
	MALE.....	8	-	-	-	-	-	-	2	1	2	2	1
	FEMALE...	15	-	-	-	-	-	1	2	-	7	3	2
RESIDUAL OF 520-579	OTHER DISEASES OF THE DIGESTIVE SYSTEM	332	1	1	1	-	2	6	14	39	60	102	106
	MALE.....	139	1	-	1	-	2	2	6	24	27	45	31
	FEMALE...	193	-	1	-	-	-	4	8	15	33	57	75
	X. DISEASES OF THE GENITOURINARY SYSTEM	285	-	1	-	1	3	4	7	26	29	107	107
	MALE.....	126	-	-	-	1	2	2	3	17	15	43	43
	FEMALE...	159	-	1	-	-	1	2	4	9	14	64	64
580-589	NEPHRITIS & NEPHROSIS	108	-	1	-	-	2	3	3	14	12	40	33
	MALE.....	55	-	-	-	-	1	2	2	9	7	18	16
	FEMALE...	53	-	1	-	-	1	1	1	5	5	22	17

TABLE 4-6. RESIDENT DEATHS FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1988-Continued

9TH REV. ICD	CAUSE OF DEATH	Total	AGE GROUPS										
			< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
590	INFECTIONS OF THE KIDNEY	22	-	-	-	-	-	-	1	1	3	9	8
	MALE.....	6	-	-	-	-	-	-	-	1	1	2	2
	FEMALE...	16	-	-	-	-	-	-	1	-	2	7	6
600-608	DISEASES OF MALE GENITAL ORGANS	8	-	-	-	-	-	-	-	1	-	3	4
	MALE.....	8	-	-	-	-	-	-	-	1	-	3	4
614-629	DISEASES OF THE UTERUS AND OTHER FEMALE GENITAL ORGANS	1	-	-	-	-	-	-	-	-	-	1	-
	FEMALE...	1	-	-	-	-	-	-	-	-	-	1	-
RESIDUAL OF 580-629	OTHER DISEASES OF THE GENITO-URINARY SYSTEM	146	-	-	-	1	1	1	3	10	14	54	62
	MALE.....	57	-	-	-	1	1	-	1	6	7	20	21
	FEMALE...	89	-	-	-	-	-	1	2	4	7	34	41
	XI. COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM	3	-	-	-	1	1	1	-	-	-	-	-
	FEMALE...	3	-	-	-	1	1	1	-	-	-	-	-
630-676	COMPLICATIONS OF PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	3	-	-	-	1	1	1	-	-	-	-	-
	FEMALE...	3	-	-	-	1	1	1	-	-	-	-	-
	XII. DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	25	-	-	-	-	1	-	-	1	4	6	13
	MALE.....	11	-	-	-	-	-	-	-	-	1	4	6
	FEMALE...	14	-	-	-	-	1	-	-	1	3	2	7
680-709	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	25	-	-	-	-	1	-	-	1	4	6	13
	MALE.....	11	-	-	-	-	-	-	-	-	1	4	6
	FEMALE...	14	-	-	-	-	1	-	-	1	3	2	7
	XIII. MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE DISEASES	88	1	-	1	-	1	4	5	9	18	30	19
	MALE.....	25	-	-	1	-	-	1	2	3	6	7	5
	FEMALE...	63	1	-	-	-	1	3	3	6	12	23	14
	XIV. CONGENITAL ANOMALIES	133	74	12	4	4	6	7	2	5	9	8	2
	MALE.....	64	42	5	1	1	3	1	1	3	3	4	-
	FEMALE...	69	32	7	3	3	3	6	1	2	6	4	2

TABLE 4-6. RESIDENT DEATHS FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1988-Continued

9TH REV. ICD	CAUSE OF DEATH	Total	AGE GROUPS										
			< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
745-746	CONGENITAL ANOMALIES OF THE HEART	53	28	4	2	3	4	4	-	3	2	3	-
	MALE.....	27	19	1	-	1	2	-	-	2	1	1	-
	FEMALE...	26	9	3	2	2	2	4	-	1	1	2	-
RESIDUAL OF 740-759	OTHER CONGENITAL ANOMALIES	80	46	8	2	1	2	3	2	2	7	5	2
	MALE.....	37	23	4	1	-	1	1	1	1	2	3	-
	FEMALE...	43	23	4	1	1	1	2	1	1	5	2	2
	XV. CERTAIN CAUSES OF MORTALITY IN EARLY INFANCY	128	126	2	-	-	-	-	-	-	-	-	-
	MALE.....	64	64	-	-	-	-	-	-	-	-	-	-
	FEMALE...	64	62	2	-	-	-	-	-	-	-	-	-
	XVI. SYMPTOMS AND ILL-DEFINED CONDITIONS	380	103	2	1	3	5	6	7	29	69	76	79
	MALE.....	207	64	2	1	3	2	5	3	22	46	29	30
	FEMALE...	173	39	-	-	-	3	1	4	7	23	47	49
797	SENILITY	5	-	-	-	-	-	-	-	-	-	1	4
	MALE.....	1	-	-	-	-	-	-	-	-	-	-	1
	FEMALE...	4	-	-	-	-	-	-	-	-	-	1	3
798.0	SUDDEN INFANT DEATH SYNDROME	99	99	-	-	-	-	-	-	-	-	-	-
	MALE.....	62	62	-	-	-	-	-	-	-	-	-	-
	FEMALE...	37	37	-	-	-	-	-	-	-	-	-	-
RESIDUAL OF 780-799	OTHER SYMPTOMS AND ILL-DEFINED CONDITIONS	276	4	2	1	3	5	6	7	29	69	75	75
	MALE.....	144	2	2	1	3	2	5	3	22	46	29	29
	FEMALE...	132	2	-	-	-	3	1	4	7	23	46	46
	XVII. ACCIDENTS, POISONINGS, AND VIOLENCE	1,844	10	41	59	344	349	292	138	145	176	163	127
	MALE.....	1,301	4	28	47	265	261	219	108	102	120	93	54
	FEMALE...	543	6	13	12	79	88	73	30	43	56	70	73
800-949	ACCIDENTS	1,190	6	37	54	245	[illegible]	159	72	77	116	109	114
	MALE.....	809	2	24	43	186	[illegible]	118	60	54	72	53	44
	FEMALE...	381	4	13	11	59	[illegible]	41	12	23	44	56	70
810-825	MOTOR VEHICLE ACCIDENTS	668	3	16	34	197	138	91	34	40	51	43	21
	MALE.....	462	1	9	25	145	95	62	31	29	30	24	11
	FEMALE...	206	2	7	9	52	43	29	3	11	21	19	10

TABLE 4-6. RESIDENT DEATHS FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1988-Continued

9TH REV. ICD	CAUSE OF DEATH	Total	AGE GROUPS										
			< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
830-838	WATER TRANSPORT ACCIDENTS	37	-	-	1	4	7	11	4	3	6	1	-
	MALE.....	34	-	-	1	4	7	10	4	1	6	1	-
	FEMALE...	3	-	-	-	-	-	1	-	2	-	-	-
840-845	AIR TRANSPORT ACCIDENTS	10	-	-	-	2	1	4	2	1	-	-	-
	MALE.....	10	-	-	-	2	1	4	2	1	-	-	-
850-869	POISONING ACCIDENTS	55	-	-	-	9	17	16	4	2	3	3	1
	MALE.....	38	-	-	-	5	15	12	2	-	2	1	1
	FEMALE...	17	-	-	-	4	2	4	2	2	1	2	-
880-888	ACCIDENTAL FALLS	166	-	-	2	4	6	6	6	6	21	39	76
	MALE.....	75	-	-	2	4	6	5	5	2	12	12	27
	FEMALE...	91	-	-	-	-	-	1	1	4	9	27	49
890-899	FIRE & FLAME ACCIDENTS	34	1	5	1	2	3	4	1	2	7	6	2
	MALE.....	21	1	3	-	2	2	3	-	2	3	4	1
	FEMALE...	13	-	2	1	-	1	1	1	-	4	2	1
910	DROWNING AND SUBMERSION	52	-	10	5	13	12	4	5	1	2	-	-
	MALE.....	46	-	8	5	11	10	4	5	1	2	-	-
	FEMALE...	6	-	2	-	2	2	-	-	-	-	-	-
950-959	SUICIDES	461	-	-	3	66	88	93	53	53	46	47	12
	MALE.....	356	-	-	3	57	66	71	39	36	37	37	10
	FEMALE...	105	-	-	-	9	22	22	14	17	9	10	2
960-978	HOMICIDES	152	2	4	1	30	46	28	9	13	12	6	1
	MALE.....	109	2	4	-	20	33	21	6	11	10	2	-
	FEMALE...	43	-	-	1	10	13	7	3	2	2	4	1
980-989	INJURIES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	41	2	-	1	3	14	12	4	2	2	1	-
	MALE.....	27	-	-	1	2	9	9	3	1	1	1	-
	FEMALE...	14	2	-	-	1	5	3	1	1	1	-	-

- INDICATES QUANTITY EQUALS ZERO

TABLE 4-7. RESIDENT DEATH RATES FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1988

CAUSE OF DEATH			AGE GROUPS										
			TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALL CAUSES			895.9	859.4	56.2	26.0	103.2	121.5	171.0	412.6	1207.7	2554.9	8175.7
		MALE....	943.6	927.1	65.4	32.6	149.7	174.3	224.9	496.8	1541.8	3358.1	9494.8
		FEMALE..	850.1	788.1	46.6	19.0	54.7	69.4	116.8	328.7	906.1	1898.2	7393.2
	I. INFECTIVE AND PARASITIC DISEASE		12.8	2.5	2.0	.5	1.5	11.0	12.2	10.9	15.1	20.0	81.1
		MALE....	16.8		2.6	1.0	3.0	21.3	21.5	17.4	21.5	28.9	77.7
		FEMALE..	8.9	5.2	1.3			.9	2.8	4.5	9.3	12.7	83.2
010-018 137	TUBERCULOSIS, ALL FORMS		.6					.2	.2	.4	.9	1.9	4.4
		MALE....	.7					.4	.5	.8		3.1	6.8
		FEMALE..	.4								1.7	.8	3.0
038	SEPTICEMIA		3.8						.9	1.9	3.1	7.4	45.3
		MALE....	3.2						1.4	1.5	3.7	10.3	40.5
		FEMALE..	4.4						.5	2.3	2.5	5.1	48.1
042-044	AIDS		4.2		.7	.3	1.0	9.7	9.0	5.7	1.8	1.9	.6
		MALE....	8.4		1.3	.5	2.0	19.6	17.9	11.3	3.7	3.1	1.7
		FEMALE..	.1									.8	
070	VIRAL HEPATITIS		1.2				.3	.6	1.1	.8	3.1	4.2	3.8
		MALE....	1.5				.5	.4	.9	1.5	4.7	5.2	6.8
		FEMALE..	.9					.9	1.4		1.7	3.4	2.0
RESIDUAL OF 001-139	OTHER INFECTIVE & PARASITIC DISEASES		3.1	2.5	1.3	.3	.3	.4	.9	2.3	6.2	4.6	27.0
		MALE....	3.0		1.3	.5	.5	.9	.9	2.3	9.4	7.2	22.0
		FEMALE..	3.1	5.2	1.3				.9	2.3	3.4	2.5	30.1
	II. NEOPLASMS		213.8	2.5	5.9	2.8	5.6	11.2	37.0	150.7	461.9	869.3	1440.9
		MALE....	228.2		6.4	1.5	4.9	11.3	27.9	137.4	512.1	1063.3	2030.4
		FEMALE..	199.9	5.2	5.3	4.2	6.2	11.1	46.2	164.0	416.7	710.7	1091.2
140-208	MALIGNANT NEOPLASMS		211.6	2.5	5.9	2.8	5.6	11.0	36.3	150.0	459.3	862.3	1421.4
		MALE....	225.9		6.4	1.5	4.9	11.3	27.0	135.9	507.4	1051.9	2011.8
		FEMALE..	197.9	5.2	5.3	4.2	6.2	10.7	45.7	164.0	415.8	707.3	1071.2
140-149	OF BUCCAL CAVITY & PHARYNX		2.9							1.9	10.2	16.3	10.7
		MALE....	3.3							2.3	13.1	18.6	16.9
		FEMALE..	2.5							1.5	7.6	14.3	7.0
150-159	OF DIGESTIVE ORGANS & PERITONEUM		48.6				.5	1.7	6.2	28.3	91.1	184.8	388.7
		MALE....	52.6					2.2	4.6	37.0	117.0	247.8	467.9
		FEMALE..	44.9				1.0	1.3	7.8	19.6	67.6	133.4	341.7
150	ESOPHAGUS		3.9						.2	3.0	10.2	18.6	21.4
		MALE....	5.4							6.0	16.9	29.9	30.4
		FEMALE..	2.4						.5		4.2	9.3	16.0

TABLE 4-7. RESIDENT DEATH RATES FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1988 (CONTINUED)

CAUSE OF DEATH			TOTAL	AGE GROUPS									
				< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
151	STOMACH		4.8					.2	.5	2.6	7.1	16.3	44.7
		MALE....	5.6					.4	.5	3.8	12.2	22.7	55.7
		FEMALE..	4.1						.5	1.5	2.5	11.0	38.1
153	LARGE INTESTINE (EXC. RECTUM)		18.1					.4	1.4	7.5	35.1	66.9	154.1
		MALE....	19.4					.9	1.4	8.3	44.9	85.7	192.6
		FEMALE..	16.8						1.4	6.8	26.2	51.5	131.3
154	RECTUM		4.0					.4	.5	1.9	7.1	13.9	34.0
		MALE....	4.4					.4	.9	3.0	7.5	18.6	43.9
		FEMALE..	3.6					.4		.8	6.8	10.1	28.1
157	PANCREAS		11.0					.6	2.5	8.3	20.4	42.7	80.5
		MALE....	11.5					.4	.9	12.1	22.5	59.9	89.5
		FEMALE..	10.6					.9	4.2	4.5	18.6	28.7	75.2
160-165	OF RESPIRATORY/INTRATHORACIC ORGANS		62.4		.7	.3		.9	5.7	47.1	170.1	309.7	317.0
		MALE....	80.9		1.3			.9	7.8	58.1	222.8	414.0	592.9
		FEMALE..	44.6			.5		.9	3.7	36.1	122.6	224.5	153.3
162.2-.9	BRONCHUS & LUNG		60.3					.9	5.5	46.0	164.8	300.9	305.0
		MALE....	77.7					.9	7.3	55.9	212.5	401.6	567.6
		FEMALE..	43.6					.9	3.7	36.1	121.7	218.6	149.3
170-175	OF BONE, CONNECTIVE TISSUE, SKIN & BREAST		23.7			.5	.3	3.2	11.5	35.4	60.0	72.0	123.9
		MALE....	6.3					1.7	4.6	7.5	19.7	14.5	42.2
		FEMALE..	40.4			1.1	.5	4.7	18.5	63.2	96.4	119.0	172.4
172	MALIGNANT MELANOMA		2.6					1.1	2.5	3.0	7.6	5.1	11.9
		MALE....	3.0					.4	2.3	3.8	12.2	6.2	16.9
		FEMALE..	2.2					1.7	2.8	2.3	3.4	4.2	9.0
173	OTHER SKIN		.8						.2	1.5	1.8	2.3	5.0
		MALE....	.9						.5	3.0	.9	3.1	5.1
		FEMALE..	.7								2.5	1.7	5.0
174-175	BREAST		18.4					1.3	7.4	30.1	45.8	59.4	97.5
		MALE....	.5						.5		.9	2.1	5.1
		FEMALE..	35.6					2.6	14.3	60.2	86.2	106.3	152.3
'179-187	OF GENITAL ORGANS		24.4				.3	1.7	2.8	9.0	36.4	93.8	213.8
		MALE....	29.1					1.3	.9	.8	28.1	110.5	418.9
		FEMALE..	19.9				.5	2.1	4.6	17.3	44.0	80.2	92.2
179-182	CERVIX & UTERUS		4.4				.3	.9	1.1	3.0	9.3	17.2	28.3
		MALE....											
		FEMALE..	8.7				.5	1.7	2.3	6.0	17.7	31.2	45.1

TABLE 4-7. RESIDENT DEATH RATES FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1988 (CONTINUED)

CAUSE OF DEATH			AGE GROUPS										
			TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
183.0	OVARY		5.4										
		MALE....						.2	1.1	5.3	13.3	25.5	27.0
		FEMALE..	10.6					.4	2.3	10.5	25.4	46.4	43.1
185	PROSTATE		13.8								12.4	49.2	154.1
		MALE....	28.2								26.2	109.4	413.8
		FEMALE..											
188-189	OF URINARY ORGANS		8.7						.5	4.5	13.3	32.0	79.2
		MALE....	12.1						.5	6.8	20.6	54.7	130.1
		FEMALE..	5.5						.5	2.3	6.8	13.5	49.1
188	BLADDER		4.4							1.5	5.3	13.9	46.5
		MALE....	6.2							2.3	8.4	23.7	81.1
		FEMALE..	2.6							.8	2.5	5.9	26.1
190-199	OF OTHER & UNSPECIFIED SITES		17.5	2.5	.7	.8	.5	1.9	3.7	12.8	37.3	71.0	112.0
		MALE....	17.4		1.3		.5	3.0	2.7	12.8	38.4	88.8	126.7
		FEMALE..	17.7	5.2		1.6	.5	.9	4.6	12.8	36.3	56.5	103.2
191	BRAIN		5.9	2.5	.7	.5	.5	1.5	3.2	5.7	12.9	23.7	25.8
		MALE....	6.8		1.3		.5	2.6	2.7	5.3	14.0	29.9	45.6
		FEMALE..	5.1	5.2		1.1	.5	.4	3.7	6.0	11.8	18.6	14.0
200-208	OF LYMPHATIC & HEMATOPOIETIC TISSUES		23.3		4.6	1.3	4.0	1.5	6.0	10.9	40.9	82.7	176.1
		MALE....	24.3		3.8	1.5	4.4	2.2	6.0	10.6	47.7	103.2	216.2
		FEMALE..	22.5		5.3	1.1	3.6	.9	6.0	11.3	34.7	65.8	152.3
204-208	LEUKEMIA		9.2		3.9	1.0	2.0	.9	2.5	5.3	11.5	31.1	71.1
		MALE....	10.0		2.6	1.0	2.0	.9	2.3	4.5	17.8	41.3	91.2
		FEMALE..	8.5		5.3	1.1	2.1	.9	2.8	6.0	5.9	22.8	59.1
204	LYMPHATIC LEUKEMIA		3.4		2.0	.5	.5	.2		1.5	4.0	11.1	30.2
		MALE....	3.8		1.3	1.0		.4		1.5	5.6	15.5	40.5
		FEMALE..	3.0		2.7		1.0			1.5	2.5	7.6	24.0
210-229	BENIGN NEOPLASMS		.4						.2	.4	.9	.9	2.5
		MALE....	.5						.5	.8	1.9	2.1	1.7
		FEMALE..	.2										3.0
230-239	IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED NATURE NEOPLASMS		1.8					.2	.5	.4	1.8	6.0	17.0
		MALE....	1.8						.5	.8	2.8	9.3	16.9
		FEMALE..	1.7					.4	.5		.8	3.4	17.0
III.	ENDOCRINE, NUTRITIONAL, AND METABOLIC DISEASES		21.2	12.7		1.3	1.8	3.0	5.3	12.1	32.0	64.1	179.2
		MALE....	18.5	9.9		.5	2.5	3.0	7.3	14.3	28.1	69.2	172.3
		FEMALE..	23.8	15.6		2.1	1.0	3.0	3.2	9.8	35.5	59.9	183.4

TABLE 4-7. RESIDENT DEATH RATES FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1988 (CONTINUED)

CAUSE OF DEATH			AGE GROUPS										
			TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
250	DIABETES MELLITUS		16.0				.8	1.9	4.8	9.0	24.0	54.3	132.7
		MALE....	14.4				1.5	2.2	6.4	10.6	22.5	57.8	131.8
		FEMALE..	17.5					1.7	3.2	7.5	25.4	51.5	133.3
RESIDUAL OF 240-279	OTHER ENDOCRINE, NUTRITIONAL, & METABOLIC DISEASES		5.2	12.7		1.3	1.0	1.1	.5	3.0	8.0	9.8	46.5
		MALE....	4.1	9.9		.5	1.0	.9	.9	3.8	5.6	11.4	40.5
		FEMALE..	6.2	15.6		2.1	1.0	1.3		2.3	10.1	8.4	50.1
IV.	DISEASES OF THE BLOOD & BLOOD-FORMING ORGANS		3.3	2.5		.5	.3			1.1	6.2	4.6	37.1
		MALE....	3.3			.5	.5			.8	8.4	7.2	42.2
		FEMALE..	3.3	5.2		.5				1.5	4.2	2.5	34.1
280-285	ANEMIAS		1.2	2.5		.3	.3			.4	1.8		16.4
		MALE....	1.3			.5	.5			.8	1.9		20.3
		FEMALE..	1.2	5.2							1.7		14.0
RESIDUAL OF 280-289	OTHER DISEASES OF THE BLOOD & BLOOD-FORMING ORGANS		2.0			.3				.8	4.4	4.6	20.8
		MALE....	2.0								6.6	7.2	22.0
		FEMALE..	2.1			.5				1.5	2.5	2.5	20.0
V.	MENTAL DISORDERS		16.7				.3	3.0	4.1	7.2	14.7	27.4	196.9
		MALE....	15.0					4.3	6.0	10.6	25.3	34.1	175.7
		FEMALE..	18.3				.5	1.7	2.3	3.8	5.1	21.9	209.4
291	ALCOHOLIC PSYCHOSIS		.2					.2	.2		.9		1.3
		MALE....	.3					.4			1.9		1.7
		FEMALE..	.1						.5				1.0
303	ALCOHOLISM		2.9					.9	1.6	4.9	9.8	10.7	6.9
		MALE....	4.7					.9	2.7	7.5	16.9	18.6	15.2
		FEMALE..	1.2					.9	.5	2.3	3.4	4.2	2.0
304	DRUG DEPENDENCE		.7					1.7	1.8		.4		.6
		MALE....	1.1					3.0	2.7		.9		1.7
		FEMALE..	.2					.4	.9				
305	NON-DEPENDENT DRUG ABUSE		1.0						.5	1.1	2.7	4.2	4.4
		MALE....	1.3						.5	2.3	3.7	5.2	6.8
		FEMALE..	.7						.5		1.7	3.4	3.0
RESIDUAL OF 290-319	OTHER MENTAL DISORDERS		11.9				.3	.2		1.1	.9	12.5	183.7
		MALE....	7.6							.8	1.9	10.3	150.3
		FEMALE..	16.0				.5	.4		1.5		14.3	203.4
VI.	DISEASES OF THE NERVOUS SYSTEM & SENSE ORGANS		22.7	5.1	4.6	1.5	.8	1.3	3.2	7.5	15.5	52.5	261.6
		MALE....	19.9		3.8	1.0	1.5	.9	3.7	9.8	10.3	55.7	290.5
		FEMALE..	25.3	10.4	5.3	2.1		1.7	2.8	5.3	20.3	49.8	244.5

TABLE 4-7. RESIDENT DEATH RATES FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1988 (CONTINUED)

	CAUSE OF DEATH			AGE GROUPS									
			TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
320-322	MENINGITIS		.5		2.6					.4		1.9	2.5
		MALE....	.4		2.6					.8		2.1	
		FEMALE..	.6		2.7							1.7	4.0
331.0	ALZHEIMER'S DISEASE		9.5								.4	14.9	143.4
		MALE....	7.1									14.5	136.8
		FEMALE..	11.9								.8	15.2	147.3
332	PARKINSON'S DISEASE		4.8								2.2	10.2	65.4
		MALE....	5.4								.9	12.4	101.3
		FEMALE..	4.2								3.4	8.4	44.1
345	EPILEPSY		1.0		.7		.3	.6	1.6	.8	.4	2.3	4.4
		MALE....	1.2				.5	.4	2.7	1.5	.9	2.1	5.1
		FEMALE..	.8		1.3			.9	.5			2.5	4.0
RESIDUAL OF 320-389	OTHER DISEASES OF THE NERVOUS SYSTEM & SENSE ORGANS		6.9	5.1	1.3	1.5	.5	.6	1.6	6.4	12.4	23.2	45.9
		MALE....	5.9		1.3	1.0	1.0	.4	.9	7.5	8.4	24.8	47.3
		FEMALE..	7.9	10.4	1.3	2.1		.9	2.3	5.3	16.1	21.9	45.1
VII.	DISEASES OF THE CIRCULATORY SYSTEM		384.0	12.7	3.3	.8	3.0	9.5	26.7	121.7	424.2	1026.2	4310.2
		MALE....	384.7	19.8	5.1	1.0	4.0	12.2	42.1	172.1	612.2	1448.3	4638.4
		FEMALE..	383.3	5.2	1.3	.5	2.1	6.9	11.1	71.5	254.4	681.1	4115.4
390-448	MAJOR CARDIOVASCULAR DISEASES		382.2	12.7	3.3	.8	3.0	9.1	26.7	121.3	420.2	1019.3	4295.7
		MALE....	383.4	19.8	5.1	1.0	4.0	11.7	42.1	172.1	609.4	1440.1	4628.3
		FEMALE..	381.0	5.2	1.3	.5	2.1	6.4	11.1	70.7	249.3	675.2	4098.4
390-398, 402, 404-429	DISEASES OF THE HEART		279.9	12.7	2.6	.5	1.8	6.9	22.3	104.7	357.6	803.3	2963.6
		MALE....	298.1	19.8	3.8	.5	2.5	8.7	35.7	155.5	538.3	1183.0	3322.6
		FEMALE..	262.4	5.2	1.3	.5	1.0	5.1	8.8	54.2	194.4	492.9	2750.6
390-398	RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE		3.1				.3	.4		1.5	4.9	11.6	27.0
		MALE....	1.6							2.3	2.8	11.4	8.4
		FEMALE..	4.6				.5	.9		.8	6.8	11.8	38.1
402,404	HYPERTENSIVE HEART DISEASE WITH OR WITHOUT RENAL DISEASE		7.8							2.3	5.3	20.9	95.0
		MALE....	5.4							3.0	6.6	22.7	67.6
		FEMALE..	10.1							1.5	4.2	19.4	111.2
'410-414	ISCHEMIC HEART DISEASE		207.8					3.7	15.4	83.6	286.9	619.9	2143.5
		MALE....	234.5					5.7	25.6	126.1	444.7	947.7	2569.2
		FEMALE..	182.1					1.7	5.1	41.4	144.5	352.0	1890.9
410	MYOCARDIAL INFARCTION		79.4					1.1	6.0	33.9	124.4	275.4	742.8
		MALE....	92.5					.9	10.5	50.6	188.2	409.8	934.1
		FEMALE..	66.7					1.3	1.4	17.3	66.8	165.4	629.3

TABLE 4-7. RESIDENT DEATH RATES FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1988 (CONTINUED)

	CAUSE OF DEATH			AGE GROUPS									
			TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
411	OTHER ACUTE & SUBACUTE ISCHEMIC HEART DISEASE		.2									1.4	1.9
		MALE....	.4									3.1	3.4
		FEMALE..	.1										1.0
412-414	CHRONIC ISCHEMIC HEART DISEASE		128.2					2.6	9.4	49.7	162.6	343.2	1398.8
		MALE....	141.6					4.8	15.1	75.5	256.5	534.7	1631.7
		FEMALE..	115.3					.4	3.7	24.1	77.8	186.5	1260.6
415-429	ALL OTHER FORMS		61.2	12.7	2.6	.5	1.5	2.8	6.9	17.3	60.4	150.9	698.1
		MALE....	56.6	19.8	3.8	.5	2.5	3.0	10.1	24.2	84.3	201.3	677.4
		FEMALE..	65.6	5.2	1.3	.5	.5	2.6	3.7	10.5	38.9	109.7	710.5
401,403	HYPERTENSION		4.1			.3			.2	.4	4.4	9.3	49.7
		MALE....	3.7			.5			.5	.8	3.7	9.3	57.4
		FEMALE..	4.4								5.1	9.3	45.1
430-438	CEREBROVASCULAR DISEASE		73.3		.7		.8	1.7	3.4	12.8	41.8	147.7	966.7
		MALE....	56.5		1.3		.5	2.2	4.6	12.8	42.1	161.0	885.1
		FEMALE..	89.5				1.0	1.3	2.3	12.8	41.4	136.7	1015.1
430	SUBARACHNOID HEMORRHAGE		3.6		.7		.3	.6	2.1	6.8	7.6	9.8	18.9
		MALE....	2.4		1.3			.4	2.3	5.3	1.9	8.3	13.5
		FEMALE..	4.9				.5	.9	1.8	8.3	12.7	11.0	22.0
431-432	INTRACEREBRAL & INTRACRANIAL HEMORRHAGES		8.8				.3	.6	1.1	2.3	13.8	22.3	91.8
		MALE....	7.4				.5	.9	1.8	3.0	15.9	25.8	77.7
		FEMALE..	10.1					.4	.5	1.5	11.8	19.4	100.2
434	CEREBRAL THROMBOSIS & EMBOLISM		10.0							1.1	3.6	21.4	135.9
		MALE....	7.1							.8	4.7	24.8	111.5
		FEMALE..	12.7							1.5	2.5	18.6	150.3
436	ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE		41.4					.2		1.9	13.3	80.3	581.8
		MALE....	32.0					.4		2.3	16.9	87.7	545.6
		FEMALE..	50.4							1.5	10.1	74.3	603.2
437	GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE		5.5				.3	.2			2.2	7.0	81.1
		MALE....	3.7					.4			.9	6.2	70.9
		FEMALE..	7.2				.5				3.4	7.6	87.2
440	ARTERIOSCLEROSIS		13.8							1.5	3.6	24.1	197.5
		MALE....	11.1							.8	4.7	29.9	192.6
		FEMALE..	16.4							2.3	2.5	19.4	200.4
441-448	OTHER DISEASES OF ARTERIES, ARTERIOLES & CAPILLARIES		11.1				.5	.4	.7	1.9	12.9	34.8	118.2
		MALE....	14.0				1.0	.9	1.4	2.3	20.6	56.8	170.6
		FEMALE..	8.3							1.5	5.9	16.9	87.2

TABLE 4-7. RESIDENT DEATH RATES FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1988 (CONTINUED)

	CAUSE OF DEATH		AGE GROUPS										
			TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
451-453	VENOUS THROMBOSIS & EMBOLISM		.8					.4		.4	2.2	2.3	6.3
		MALE....	.4					.4			.9	2.1	1.7
		FEMALE..	1.3					.4		.8	3.4	2.5	9.0
RESIDUAL OF 390-459	OTHER DISEASES OF THE CIRCULATORY SYSTEM		1.0								1.8	4.6	8.2
		MALE....	1.0								1.9	6.2	8.4
		FEMALE..	1.0								1.7	3.4	8.0
VIII.	DISEASES OF THE RESPIRATORY SYSTEM		85.5	22.8	2.0	1.3	1.0	1.7	3.2	16.6	82.2	258.6	952.2
		MALE....	92.3	29.7	2.6	1.5		2.2	3.7	18.9	103.0	342.7	1265.2
		FEMALE..	78.9	15.6	1.3	1.1	2.1	1.3	2.8	14.3	63.4	189.9	766.6
480-487	PNEUMONIA & INFLUENZA		32.8	5.1	1.3	.8	.8	1.5	1.4	4.1	12.4	55.3	452.2
		MALE....	30.4	9.9	1.3	1.0		1.7	1.8	6.0	17.8	76.4	496.6
		FEMALE..	35.2		1.3	.5	1.5	1.3	.9	2.3	7.6	38.0	425.9
480-486	PNEUMONIA		31.2	5.1	.7	.5	.3	1.5	1.4	4.1	12.0	52.0	432.1
		MALE....	29.3	9.9		.5		1.7	1.8	6.0	16.9	74.3	481.4
		FEMALE..	33.1		1.3	.5	.5	1.3	.9	2.3	7.6	33.8	402.8
487	INFLUENZA		1.6		.7	.3	.5				.4	3.3	20.1
		MALE....	1.0		1.3	.5					.9	2.1	15.2
		FEMALE..	2.1				1.0					4.2	23.0
490-496	CHRONIC OBSTRUCTIVE PULMONARY DISEASE & ALLIED CONDITIONS		43.9				.3		1.4	10.2	60.9	180.6	404.4
		MALE....	52.0						1.4	11.3	71.1	232.3	640.2
		FEMALE..	36.1				.5		1.4	9.0	51.6	138.4	264.5
490-491	CHRONIC & UNSPECIFIED BRONCHITIS		1.9								3.1	10.2	15.1
		MALE....	2.1								3.7	17.5	11.8
		FEMALE..	1.8								2.5	4.2	17.0
492	EMPHYSEMA		10.3							1.9	18.2	36.7	98.1
		MALE....	13.0							2.3	18.7	45.4	180.7
		FEMALE..	7.7							1.5	17.7	29.5	49.1
493	ASTHMA		3.0				.3		1.1	3.0	4.0	10.2	22.6
		MALE....	2.2						1.4	3.0	3.7	11.4	13.5
		FEMALE..	3.6				.5		.9	3.0	4.2	9.3	28.1
494	BRONCHIECTASIS		.4								.4	2.3	3.1
		MALE....	.3									2.1	3.4
		FEMALE..	.5								.8	2.5	3.0
495	EXTRINSIC ALLERGIC ALVEOLITIS		.1								.4		1.3
		MALE....	.1										1.7
		FEMALE..	.1								.8		1.0

TABLE 4-7. RESIDENT DEATH RATES FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1988 (CONTINUED)

	CAUSE OF DEATH		AGE GROUPS										
			TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
496	CHRONIC AIRWAY OBSTRUCTION NOT ELSEWHERE CLASSIFIED (COPD)		28.2						.2	5.3	34.6	121.2	264.2
		MALE....	34.3							6.0	44.9	155.9	429.0
		FEMALE..	22.4						.5	4.5	25.4	92.8	166.3
RESIDUAL OF 460-519	OTHER DISEASES OF THE RESPIRATORY SYSTEM		8.8	17.7	.7	.5		.2	.5	2.3	8.9	22.8	95.6
		MALE....	10.0	19.8	1.3	.5		.4	.5	1.5	14.0	34.1	128.4
		FEMALE..	7.6	15.6		.5			.5	3.0	4.2	13.5	76.2
IX.	DISEASES OF THE DIGESTIVE SYSTEM		30.7	2.5	.7	.5		1.7	7.1	24.9	60.4	90.5	252.8
		MALE....	31.0	5.0		.5		2.6	8.2	27.2	83.3	111.5	265.2
		FEMALE..	30.5		1.3	.5		.9	6.0	22.6	39.7	73.4	245.5
531	ULCER OF THE STOMACH		.8					.2		.4	.4	3.3	6.9
		MALE....	.9					.4			.9	4.1	10.1
		FEMALE..	.6							.8		2.5	5.0
532	ULCER OF THE DUODENUM		.9								.9	2.8	10.1
		MALE....	.9								1.9	5.2	8.4
		FEMALE..	.9									.8	11.0
533	PEPTIC ULCER		1.7								1.3	7.9	16.4
		MALE....	1.7								2.8	11.4	15.2
		FEMALE..	1.6									5.1	17.0
550-553, 560	HERNIA & INTESTINAL OBSTRUCTION		1.9							.8	3.1	3.7	21.4
		MALE....	1.3							.8	3.7	4.1	15.2
		FEMALE..	2.4							.8	2.5	3.4	25.1
571	CIRRHOSIS OF THE LIVER		10.5			.3		1.1	5.3	15.8	36.4	37.1	35.2
		MALE....	13.5					1.3	7.3	19.6	50.6	51.6	54.1
		FEMALE..	7.7			.5		.9	3.2	12.0	23.7	25.3	24.0
571.0-.3	ALCOHOLIC CIRRHOSIS OF THE LIVER		8.5					1.1	5.1	14.7	31.5	29.3	20.1
		MALE....	12.0					1.3	6.9	19.6	47.7	44.4	38.9
		FEMALE..	5.1					.9	3.2	9.8	16.9	16.9	9.0
574-576	DISEASES OF THE GALLBLADDER		2.0						.2	1.1	.4	3.7	27.0
		MALE....	1.7							.8		5.2	28.7
		FEMALE..	2.4						.5	1.5	.8	2.5	26.1
'577	DISEASES OF THE PANCREAS		.8						.2	1.5	.4	4.2	5.0
		MALE....	.6							1.5	.9	2.1	5.1
		FEMALE..	1.1						.5	1.5		5.9	5.0
RESIDUAL OF 520-579	OTHER DISEASES OF THE DIGESTIVE SYSTEM		12.1	2.5	.7	.3		.4	1.4	5.3	17.3	27.9	130.8
		MALE....	10.3	5.0		.5		.9	.9	4.5	22.5	27.9	128.4
		FEMALE..	13.8		1.3				1.8	6.0	12.7	27.9	132.3

TABLE 4-7. RESIDENT DEATH RATES FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1988 (CONTINUED)

	CAUSE OF DEATH	AGE GROUPS										
		TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
X.	DISEASES OF THE GENITOURINARY SYSTEM	10.4		.7		.3	.6	.9	2.6	11.5	13.5	134.6
	MALE....	9.4				.5	.9	.9	2.3	15.9	15.5	145.3
	FEMALE..	11.4		1.3			.4	.9	3.0	7.6	11.8	128.3
580-589	NEPHRITIS & NEPHROSIS	3.9		.7			.4	.7	1.1	6.2	5.6	45.9
	MALE....	4.1					.4	.9	1.5	8.4	7.2	57.4
	FEMALE..	3.8		1.3			.4	.5	.8	4.2	4.2	39.1
590	INFECTIONS OF THE KIDNEY	.8							.4	.4	1.4	10.7
	MALE....	.4								.9	1.0	6.8
	FEMALE..	1.1							.8		1.7	13.0
600-608	DISEASES OF MALE GENITAL ORGANS	.3								.4		4.4
	MALE....	.6								.9		11.8
	FEMALE..											
614-629	DISEASES OF THE UTERUS & OTHER FEMALE.GENITAL ORGANS	.										.6
	MALE....											
	FEMALE..	.1										1.0
RESIDUAL OF 580-629	OTHER DISEASES OF THE GENITO-URINARY SYSTEM	5.3				.3	.2	.2	1.1	4.4	6.5	73.0
	MALE....	4.2				.5	.4		.8	5.6	7.2	69.3
	FEMALE..	6.4						.5	1.5	3.4	5.9	75.2
XI. 630-676	COMPLICATIONS OF PREGNANCY, CHILDBIRTH, & THE PUERPERIUM	.1				.3	.2	.2				
	MALE....											
	FEMALE..	.2				.5	.4	.5				
XII. 680-709	DISEASES OF THE SKIN & SUB-CUTANEOUS TISSUE	.9					.2			.4	1.9	11.9
	MALE....	.8									1.0	16.9
	FEMALE..	1.0					.4			.8	2.5	9.0
XIII. 710-739	MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE DISEASES	3.2	2.5		.3		.2	.9	1.9	4.0	8.4	30.8
	MALE....	1.9			.5			.5	1.5	2.8	6.2	20.3
	FEMALE..	4.5	5.2				.4	1.4	2.3	5.1	10.1	37.1
XIV.	CONGENITAL ANOMALIES	4.9	187.6	7.8	1.0	1.0	1.3	1.6	.8	2.2	4.2	6.3
	MALE....	4.8	208.2	6.4	.5	.5	1.3	.5	.8	2.8	3.1	6.8
	FEMALE..	4.9	165.9	9.3	1.6	1.5	1.3	2.8	.8	1.7	5.1	6.0
'745-746	CONGENITAL ANOMALIES OF THE HEART	1.9	71.0	2.6	.5	.8	.9	.9		1.3	.9	1.9
	MALE....	2.0	94.2	1.3		.5	.9			1.9	1.0	1.7
	FEMALE..	1.9	46.7	4.0	1.1	1.0	.9	1.8		.8	.8	2.0
RESIDUAL OF 740-759	OTHER CONGENITAL ANOMALIES	2.9	116.6	5.2	.5	.3	.4	.7	.8	.9	3.3	4.4
	MALE....	2.8	114.0	5.1	.5		.4	.5	.8	.9	2.1	5.1
	FEMALE..	3.1	119.3	5.3	.5	.5	.4	.9	.8	.8	4.2	4.0

TABLE 4-7. RESIDENT DEATH RATES FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1988 (CONTINUED)

CAUSE OF DEATH				AGE GROUPS										
			TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
XV.	CERTAIN CAUSES OF MORTALITY IN		4.7	319.4	1.3								
760-779	EARLY INFANCY	MALE....	4.8	317.3									
		FEMALE..	4.6	321.5	2.7								
XVI.	SYMPTOMS & ILL-DEFINED		13.9	261.1	1.3	.3	.8	1.1	1.4	2.6	12.9	32.0	97.5
	CONDITIONS	MALE....	15.4	317.3	2.6	.5	1.5	.9	2.3	2.3	20.6	47.5	99.7
		FEMALE..	12.4	202.2				1.3	.5	3.0	5.9	19.4	96.2
797	SENILITY		.2										3.1
		MALE....	.1										1.7
		FEMALE..	.3										4.0
798.0	SUDDEN INFANT DEATH SYNDROME		3.6	251.0									
		MALE....	4.6	307.4									
		FEMALE..	2.6	191.8									
RESIDUAL	OTHER SYMPTOMS & ILL-DEFINED		10.1	10.1	1.3	.3	.8	1.1	1.4	2.6	12.9	32.0	94.3
OF	CONDITIONS	MALE....	10.7	9.9	2.6	.5	1.5	.9	2.3	2.3	20.6	47.5	98.0
780-799		FEMALE..	9.4	10.4				1.3	.5	3.0	5.9	19.4	92.2
XVII.	ACCIDENTS, POISONING, &		67.3	25.4	26.8	15.2	86.8	75.3	67.1	52.0	64.4	81.7	182.4
	VIOLENCE	MALE....	96.8	19.8	35.9	23.6	130.9	113.5	100.3	81.5	95.5	123.9	248.3
		FEMALE..	38.9	31.1	17.3	6.3	40.7	37.7	33.7	22.6	36.3	47.3	143.3
800-949	ACCIDENTS		43.4	15.2	24.2	13.9	61.8	43.4	36.5	27.1	34.2	53.9	140.3
		MALE....	60.2	9.9	30.8	21.6	91.9	66.5	54.0	45.3	50.6	74.3	163.8
		FEMALE..	27.3	20.7	17.3	5.8	30.4	20.6	18.9	9.0	19.4	37.1	126.3
810-825	MOTOR VEHICLE ACCIDENTS		24.4	7.6	10.4	8.7	49.7	29.8	20.9	12.8	17.8	23.7	40.3
		MALE....	34.4	5.0	11.5	12.6	71.6	41.3	28.4	23.4	27.1	31.0	59.1
		FEMALE..	14.7	10.4	9.3	4.7	26.8	18.4	13.4	2.3	9.3	17.7	29.1
830-838	WATER TRANSPORT ACCIDENTS		1.3			.3	1.0	1.5	2.5	1.5	1.3	2.8	.6
		MALE....	2.5			.5	2.0	3.0	4.6	3.0	.9	6.2	1.7
		FEMALE..	.2						.5		1.7		
840-845	AIR TRANSPORT ACCIDENTS		.4				.5	.2	.9	.8	.4		
		MALE....	.7				1.0	.4	1.8	1.5	.9		
		FEMALE..											
850-869	POISONING ACCIDENTS		2.0				2.3	3.7	3.7	1.5	.9	1.4	2.5
		MALE....	2.8				2.5	6.5	5.5	1.5		2.1	3.4
		FEMALE..	1.2				2.1	.9	1.8	1.5	1.7	.8	2.0
800-888	ACCIDENTAL FALLS		6.1			.5	1.0	1.3	1.4	2.3	2.7	9.8	72.3
		MALE....	5.6			1.0	2.0	2.6	2.3	3.8	1.9	12.4	65.9
		FEMALE..	6.5						.5	.8	3.4	7.6	76.2

TABLE 4-7. RESIDENT DEATH RATES FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1988 (CONTINUED)

	CAUSE OF DEATH		AGE GROUPS										
			TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
890-899	FIRE & FLAME ACCIDENTS		1.2	2.5	3.3	.3	.5	.6	.9	.4	.9	3.3	5.0
		MALE....	1.6	5.0	3.8		1.0	.9	1.4		1.9	3.1	8.4
		FEMALE..	.9		2.7	.5		.4	.5	.8		3.4	3.0
910	DROWNING & SUBMERSION		1.9		6.5	1.3	3.3	2.6	.9	1.9	.4	.9	
		MALE....	3.4		10.3	2.5	5.4	4.3	1.8	3.8	.9	2.1	
		FEMALE..	.4		2.7		1.0	.9					
950-959	SUICIDES		16.8			.8	16.7	19.0	21.4	20.0	23.5	21.4	37.1
		MALE....	26.5			1.5	28.2	28.7	32.5	29.4	33.7	38.2	79.4
		FEMALE..	7.5				4.6	9.4	10.2	10.5	14.4	7.6	12.0
960-978	HOMICIDES		5.5	5.1	2.6	.3	7.6	9.9	6.4	3.4	5.8	5.6	4.4
		MALE....	8.1	9.9	5.1		9.9	14.3	9.6	4.5	10.3	10.3	3.4
		FEMALE..	3.1			.5	5.2	5.6	3.2	2.3	1.7	1.7	5.0
980-989	INJURIES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED		1.5	5.1		.3	.8	3.0	2.8	1.5	.9	.9	.6
		MALE....	2.0			.5	1.0	3.9	4.1	2.3	.9	1.0	1.7
		FEMALE..	1.0	10.4			.5	2.1	1.4	.8	.8	.8	
990-999	INJURY RESULTING FROM OPERATIONS OF WAR												
		MALE....											
		FEMALE..											

TABLE 4-8. DEATHS DUE TO EXTERNAL FACTORS, OREGON RESIDENTS, 1988

METHOD OF DEATH	TOTAL		ACCIDENTS		SUICIDES		HOMICIDES		LEGAL INTER-VENTION		UNDETER-MINED	
	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%
TOTAL..........	1,844	100	1,190	65	461	25	143	8	9	0	41	2
FIREARMS.......	375	100	13	3	275	73	77	21	9	2	1	0
HANGING AND SUFFOCATION..	106	100	31	29	55	52	17	16	-	-	3	3
DROWNING AND BOATING......	93	100	89	96	4	4	-	-	-	-	-	-
INGESTION OF SUBSTANCE.	179	100	56	31	99	55	-	-	-	-	24	13
CUTTING AND PIERCING.....	35	100	2	6	8	23	25	71	-	-	-	-
FALLS AND JUMPING......	179	100	166	93	12	7	-	-	-	-	1	1
MOTOR VEHICLES.	673	100	670	100	2	0	-	-	-	-	1	0
OTHER..........	204	100	163	80	6	3	24	12	-	-	11	5

TABLE 4-9. RESIDENT DEATHS FROM SUICIDE, HOMICIDE, LEGAL INTERVENTION, AND EXTERNAL CAUSES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED, BY AGE, SEX, AND METHOD, OREGON, 1988

METHOD OF DEATH	TOTAL DEATHS	AGE AND SEX GROUPS																	
		TOTAL		< 15		15-24		25-34		35-44		45-54		55-64		65-74		75+	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
SUICIDE.............	461	356	105	3	-	57	9	66	22	71	22	39	14	36	17	37	9	47	12
ALL POISONING.....	99	55	44	-	-	9	4	12	9	17	12	8	4	4	6	4	3	1	6
MEDICATIONS.....	53	19	34	-	-	4	2	5	8	6	8	1	3	1	4	2	3	-	6
AUTO EXHAUST....	40	31	9	-	-	4	2	6	1	10	4	7	1	1	1	2	-	1	-
OTHER GAS.......	3	3	-	-	-	-	-	1	-	1	-	-	-	1	-	-	-	-	-
OTHER...........	3	2	1	-	-	1	-	-	-	-	-	-	-	1	1	-	-	-	-
HANGING...........	50	44	6	1	-	14	-	9	1	7	1	2	1	4	1	3	2	4	-
SUFFOCATION BY PLASTIC BAG......	3	1	2	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	1
OTHER SUFFOCATION.	2	2	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-
DROWNING..........	4	3	1	-	-	-	-	1	-	1	-	-	-	-	1	-	-	1	-
ALL FIREARMS......	275	228	47	2	-	32	4	36	12	38	9	27	8	27	7	27	4	39	3
HANDGUNS.........	163	127	36	2	-	12	4	21	7	23	6	19	6	14	7	15	4	21	2
SHOTGUNS.........	33	31	2	-	-	6	-	4	1	7	1	1	-	5	-	5	-	3	-
RIFLES...........	67	60	7	-	-	11	-	10	4	7	1	7	1	5	-	7	-	13	1
OTHER AND UNSPECIFIED.....	12	10	2	-	-	3	-	1	-	1	1	-	1	3	-	-	-	2	-
CUTTING AND PIERCING.........	8	7	1	-	-	-	-	-	-	5	-	-	-	-	-	2	-	-	1
JUMPING FROM HIGH PLACES...........	12	10	2	-	-	1	-	4	-	3	-	1	-	-	1	1	-	-	1
OTHER.............	8	6	2	-	-	1	1	2	-	-	-	1	1	1	-	-	-	1	-
HOMICIDE............	143	100	43	6	1	19	10	29	13	18	7	5	3	11	2	10	2	2	5
STRANGULATION AND HANGING......	17	8	9	1	1	3	3	-	2	1	1	-	-	1	-	2	1	-	1
ALL FIREARMS......	77	60	17	1	-	14	3	18	6	10	3	5	2	7	1	5	-	-	2
HANDGUNS........	31	26	5	1	-	3	2	7	1	6	1	2	1	4	-	3	-	-	-
SHOTGUNS........	1	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
RIFLES..........	11	9	2	-	-	2	-	3	-	1	-	2	-	1	-	-	-	-	2
OTHER AND UNSPECIFIED.....	34	25	9	-	-	9	-	8	5	3	2	1	1	2	1	2	-	-	-
CUTTING AND PIERCING.........	25	15	10	-	-	-	3	7	2	6	3	-	-	1	-	-	1	1	1
CHILD BATTERING...	4	4	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER.............	20	13	7	-	-	2	1	4	3	1	-	-	1	2	1	3	-	1	1
LEGAL INTERVENTION..	9	9	-	-	-	1	-	4	-	3	-	1	-	-	-	-	-	-	-
FIREARMS..........	9	9	-	-	-	1	-	4	-	3	-	1	-	-	-	-	-	-	-
UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED.	41	27	14	1	2	2	1	9	5	9	3	3	1	1	1	1	1	1	-
ALL POISONING.....	24	16	8	1	-	1	1	6	3	6	3	2	1	-	-	-	-	-	-
MEDICATIONS.....	22	16	6	1	-	1	1	6	3	6	2	2	-	-	-	-	-	-	-
AUTO EXHAUST....	1	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
OTHER...........	1	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
FIREARMS..........	1	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
OTHER.............	16	10	6	-	2	1	-	3	2	3	-	-	-	1	1	1	1	1	-

TABLE 4-10. RESIDENT ACCIDENTAL DEATHS BY TYPE OR SOURCE OF INJURY, AGE GROUPS AND SEX, OREGON, 1988

TYPE OR SOURCE OF ACCIDENT	TOTAL DEATHS	AGE AND SEX GROUPS																			
		< 1		1-4		5-14		15-24		25-34		35-44		45-54		55-64		65-74		75+	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
TOTAL..............	1,190	2	4	24	13	43	11	186	59	153	48	118	41	60	12	54	23	72	44	97	126
TRANSPORTATION.....	726	1	2	9	7	26	9	153	52	105	43	79	30	37	3	33	13	37	22	36	29
MOTOR VEHICLE....	668	1	2	9	7	25	9	145	52	95	43	62	29	31	3	29	11	30	21	35	29
WATERCRAFT.......	37	-	-	-	-	1	-	4	-	7	-	10	1	4	-	1	2	6	-	1	-
AIRCRAFT.........	10	-	-	-	-	-	-	2	-	1	-	4	-	2	-	1	-	-	-	-	-
RAILWAY..........	8	-	-	-	-	-	-	2	-	2	-	1	-	-	-	2	-	-	1	-	-
OTHER ROAD VEHICLE.........	3	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	1	-	-	-
POISONING..........	55	-	-	-	-	-	-	5	4	15	2	12	4	2	2	-	2	2	1	2	2
GAS..............	7	-	-	-	-	-	-	-	1	2	-	-	-	1	-	-	-	1	-	1	1
DRUGS AND MEDICINES.......	43	-	-	-	-	-	-	4	3	12	2	12	3	1	2	-	2	1	1	-	-
OTHER SOLIDS AND LIQUIDS.....	5	-	-	-	-	-	-	1	-	1	-	-	1	-	-	-	-	-	-	1	1
SUFFOCATION OR OBSTRUCTION...	31	-	1	4	-	3	-	-	-	1	-	1	-	2	2	2	-	3	4	1	7
INHALATION OF FOOD.........	14	-	-	2	-	-	-	-	-	-	-	-	-	2	1	-	-	3	1	-	5
INHALATION OF OTHER MATERIAL..	9	-	-	-	-	-	-	-	-	-	-	1	-	-	1	2	-	-	3	1	1
MECHANICAL SUFFOCATON......	8	-	1	2	-	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1
MISCELLANEOUS......	378	1	1	11	6	14	2	28	3	32	3	26	7	19	5	19	8	30	17	58	88
FALLS............	166	-	-	-	-	2	-	4	-	6	-	5	1	5	1	2	4	12	9	39	76
FIRES............	34	1	-	3	2	-	1	2	-	2	1	3	1	-	1	2	-	3	4	5	3
DROWNING.........	52	-	-	8	2	5	-	11	2	10	2	4	-	5	-	1	-	2	-	-	-
STRUCK BY OBJECT.	23	-	-	-	1	2	-	3	-	5	-	7	-	1	-	3	-	1	-	-	-
MACHINERY........	20	-	-	-	-	2	-	1	-	6	-	2	1	3	-	2	-	2	-	1	-
FIREARMS.........	13	-	-	-	-	1	-	5	-	-	-	2	1	1	-	2	1	-	-	-	-
ELECTRIC CURRENT.	4	-	-	-	1	1	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
OTHER AND UNSPECIFIED.....	31	-	1	-	-	-	-	1	1	1	-	-	2	3	-	7	1	6	1	4	3
COMPLICATIONS OF MEDICAL PROCEDURES......	27	-	-	-	-	1	1	1	-	-	-	1	1	-	2	-	2	3	3	8	4
LATE EFFECTS OF ACCIDENTS....	8	-	-	-	-	-	-	-	-	1	-	1	-	1	1	-	-	1	-	1	2

TABLE 4-11. DEATHS OCCURRING IN OREGON BY TYPE OF ACCIDENT AND AGE GROUPS, 1988

TYPE OF ACCIDENT	TOTAL DEATHS	RATE	AGE GROUPS						
			< 1	1-4	5-14	15-24	25-44	45-64	65+
TOTAL	1,268	46.3	7	37	60	277	378	165	344
WORK ACCIDENTS	48	1.8	-	-	1	6	26	13	2
LOGGING	16	.6	-	-	-	5	10	1	-
AGRICULTURE	3	.1	-	-	1	-	1	-	1
CONSTRUCTION	10	.4	-	-	-	-	4	5	1
MANUFACTURING	11	.4	-	-	-	1	7	3	-
TRADE	1	.0	-	-	-	-	-	1	-
SERVICE	2	.1	-	-	-	-	-	2	-
OTHER AND UNSPECIFIED	5	.2	-	-	-	-	4	1	-
HOME ACCIDENTS	187	6.8	3	16	8	15	35	21	89
POISONING, SOLID, LIQUID	29	1.1	-	-	-	5	19	4	1
POISONING, GAS	3	.1	-	-	-	1	-	-	2
FALLS	74	2.7	-	-	1	1	3	8	61
FIRES	29	1.1	1	5	1	-	6	2	14
DROWNING	11	.4	-	6	1	2	2	-	-
SUFFOCATION, INGESTION	6	.2	-	1	-	-	-	1	4
SUFFOCATION, MECHANICAL	6	.2	1	2	3	-	-	-	-
FIREARMS	12	.4	-	-	1	5	2	4	-
OTHER AND UNSPECIFIED	17	.6	1	2	1	1	3	2	7
MOTOR VEHICLE	726	26.5	4	16	37	224	244	86	115
INJURY TO PEDESTRIAN	92	3.4	-	7	11	11	19	14	30
INJURY TO PEDAL CYCLIST	14	.5	-	-	6	2	5	-	1
COLLISION WITH TRAIN	4	.1	-	-	-	1	2	1	-
COLLISION WITH OTHER MOTOR VEHICLE	337	12.3	3	7	12	100	116	38	61
COLLISION WITH FIXED OBJECT	92	3.4	-	-	2	30	39	10	11
NON-COLLISION (LOSS OF CONTROL)	174	6.3	1	1	5	77	58	22	10
OTHER AND UNSPECIFIED	13	.5	-	1	1	3	5	1	2
PUBLIC ACCIDENT	239	8.7	-	5	14	32	65	38	85
RAILWAY TRANSPORTATION	11	.4	-	-	-	3	5	3	-
OTHER TRANSPORTATION	2	.1	-	-	-	-	1	-	1
WATER TRANSPORTATION	32	1.2	-	-	1	3	13	8	7
AIR TRANSPORTATION	10	.4	-	-	-	1	7	2	-
FALLS	50	1.8	-	-	1	3	6	4	36
FIRES	2	.1	-	-	-	1	-	1	-
DROWNING	49	1.8	-	5	6	13	17	4	4
FIREARMS	5	.2	-	-	1	2	1	-	1
OTHER AND UNSPECIFIED	78	2.8	-	-	5	6	15	16	36
UNCLASSIFIED	68	2.5	-	-	-	-	8	7	53

NOTE: RATES PER 100,000 POPULATION

TABLE 4-12. RESIDENT INFANT DEATHS BY CAUSE AND AGE AT DEATH, OREGON, 1988

CAUSE OF DEATH	AGE GROUPS					
	TOTAL DEATHS	UNDER 1 DAY	1-6 DAYS	7-27 DAYS	ALL NEONATES	POST-NEONATES
TOTAL	339	91	53	37	181	158
RATE	8.5	2.3	1.3	.9	4.5	4.0
CERTAIN CAUSES OF MORTALITY IN EARLY INFANCY	126	65	32	19	116	10
CONDITIONS OF PLACENTA AND CORD	12	10	-	2	12	-
IMMATURITY, UNQUALIFIED	25	20	3	1	24	1
BIRTH TRAUMA WITHOUT MENTION OF CAUSE	1	-	-	-	-	1
ANOXIC AND HYPOXIC CONDITIONS	11	2	7	-	9	2
RESPIRATORY DISTRESS SYNDROME	29	9	9	9	27	2
OTHER RESPIRATORY CONDITIONS	19	7	7	2	16	3
OTHER COMPLICATIONS OF PREGNANCY & DELIVERY	13	11	1	-	12	1
ALL OTHER	16	6	5	5	16	-
OTHER DISEASES	203	26	21	18	65	138
CONGENITAL ANOMALIES	74	24	15	10	49	25
DISEASES OF NERVOUS SYSTEM	2	-	-	-	-	2
PNEUMONIA OR INFLUENZA	2	-	-	-	-	2
RESPIRATORY DISTRESS	7	-	1	2	3	4
SUDDEN INFANT DEATH SYNDROME	99	-	2	2	4	95
ALL OTHER DISEASES	19	2	3	4	9	10
VIOLENT AND ACCIDENTAL CAUSES	10	-	-	-	-	10
MOTOR VEHICLE	3	-	-	-	-	3
OTHER ACCIDENTAL CAUSES	3	-	-	-	-	3
HOMICIDE	2	-	-	-	-	2
OTHER EXTERNAL CAUSES	2	-	-	-	-	2

NOTE: RATES PER 1,000 LIVE BIRTHS.
NEONATES ARE INFANTS IN THE FIRST 27 DAYS OF LIFE.
POSTNEONATES ARE 28 DAYS UP TO ONE YEAR OF AGE.

TABLE 4-13. INFANT DEATHS BY COUNTY OF RESIDENCE AND AGE AT TIME OF DEATH, OREGON, 1988

COUNTY OF RESIDENCE	TOTAL INFANT DEATHS	INFANT DEATH RATE 1/	AGE UNDER 28 DAYS NEONATAL DEATHS				NEONATAL RATE 1/	POST-NEONATAL DEATHS	POST-NEONATAL RATE 1/
			TOTAL NEO-NATAL	< 1 DAY	1-6 DAYS	7-27 DAYS			
TOTAL......	339	8.5	181	91	53	37	4.5	158	4.0
BAKER......	3	16.2	2	1	1	-	10.8	1	5.4
BENTON.....	8	9.3	5	3	2	-	5.8	3	3.5
CLACKAMAS..	26	7.3	9	5	1	3	2.5	17	4.8
CLATSOP....	3	7.1	2	2	-	-	4.8	1	2.4
COLUMBIA...	6	12.2	3	-	-	3	6.1	3	6.1
COOS.......	9	11.6	4	1	3	-	5.2	5	6.5
CROOK......	-	.0	-	-	-	-	.0	-	.0
CURRY......	1	4.6	1	-	-	1	4.6	-	.0
DESCHUTES..	9	9.2	7	5	1	1	7.1	2	2.0
DOUGLAS....	11	8.6	4	1	1	2	3.1	7	5.5
GILLIAM....	-	.0	-	-	-	-	.0	-	.0
GRANT......	3	30.9	2	-	1	1	20.6	1	10.3
HARNEY.....	-	.0	-	-	-	-	.0	-	.0
HOOD RIVER.	-	.0	-	-	-	-	.0	-	.0
JACKSON....	17	8.9	11	7	2	2	6.3	6	2.6
JEFFERSON..	5	16.8	-	-	-	-	.0	5	16.8
JOSEPHINE..	9	10.7	4	3	1	-	4.8	5	6.0
KLAMATH....	6	7.3	3	-	1	2	3.6	3	3.6
LAKE.......	1	9.3	-	-	-	-	.0	1	9.3
LANE.......	29	7.6	16	5	6	5	4.2	13	3.4
LINCOLN....	2	4.2	1	1	-	-	2.1	1	2.1
LINN.......	6	4.6	3	1	-	2	2.3	3	2.3
MALHEUR....	2	4.4	2	-	1	1	4.4	-	.0
MARION.....	33	9.6	16	7	6	3	4.7	17	5.0
MORROW.....	-	.0	-	-	-	-	.0	-	.0
MULTNOMAH..	90	10.1	57	32	18	7	6.5	33	3.6
POLK.......	9	14.4	3	2	-	1	4.8	6	9.6
SHERMAN....	-	.0	-	-	-	-	.0	-	.0
TILLAMOOK..	-	.0	-	-	-	-	.0	-	.0
UMATILLA...	7	8.6	2	1	1	-	2.5	5	6.1
UNION......	2	6.3	2	2	-	-	6.3	-	.0
WALLOWA....	-	.0	-	-	-	-	.0	-	.0
WASCO......	1	3.5	1	1	-	-	3.5	-	0.0
WASHINGTON.	32	7.1	18	9	6	3	4.2	14	2.9
WHEELER....	-	.0	-	-	-	-	.0	-	.0
YAMHILL....	9	9.8	3	2	1	-	3.3	6	6.5

- QUANTITY IS ZERO 1/ RATES PER 1,000 BIRTHS

TABLE 4-14. DEATHS BY COUNTY OF RESIDENCE, AGE AND SEX, OREGON, 1988

COUNTY OF RESIDENCE	TOTAL	AGE GROUPS									
		TOTAL		UNDER 1		1-4		5-14		15-24	
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
TOTAL......	24,557	12,677	11,880	187	152	51	35	65	36	303	106
BAKER......	160	78	82	2	1	-	-	-	1	2	-
BENTON.....	400	202	198	6	2	4	1	3	1	4	1
CLACKAMAS..	1,935	966	969	14	12	4	3	7	3	28	9
CLATSOP....	364	208	156	1	2	-	-	-	-	7	2
COLUMBIA...	331	181	150	1	5	-	-	-	1	4	1
COOS.......	635	339	296	6	3	4	-	2	-	7	3
CROOK......	153	88	65	-	-	-	-	-	-	1	-
CURRY......	206	110	96	-	1	-	-	1	-	2	-
DESCHUTES..	617	322	295	5	4	3	1	4	7	6	6
DOUGLAS....	889	499	390	7	4	1	1	2	1	11	3
GILLIAM....	18	12	6	-	-	-	-	-	-	-	1
GRANT......	82	43	39	1	2	-	1	1	-	1	-
HARNEY.....	63	37	26	-	-	-	1	-	1	2	1
HOOD RIVER.	160	76	84	-	-	-	1	1	-	4	-
JACKSON....	1,353	725	628	10	7	5	5	3	2	17	4
JEFFERSON..	131	68	63	5	-	1	-	1	-	5	3
JOSEPHINE..	774	413	361	6	3	3	1	1	-	3	-
KLAMATH....	507	282	225	4	2	-	1	-	-	7	7
LAKE.......	52	29	23	-	1	-	-	-	1	1	-
LANE.......	2,333	1,202	1,131	12	17	2	5	6	4	34	15
LINCOLN....	456	235	221	2	-	1	1	1	1	2	-
LINN.......	846	442	404	3	3	4	1	4	1	10	5
MALHEUR....	242	141	101	1	1	1	-	1	-	2	-
MARION.....	1,970	1,037	933	21	12	2	2	5	2	28	7
MORROW.....	54	31	23	-	-	-	-	-	-	-	-
MULTNOMAH..	5,725	2,830	2,895	45	45	9	2	10	6	59	18
POLK.......	406	205	201	7	2	1	1	3	1	6	3
SHERMAN....	19	13	6	-	-	-	-	-	-	-	-
TILLAMOOK..	249	141	108	-	-	-	-	2	-	1	-
UMATILLA...	546	280	266	5	2	1	2	-	2	8	3
UNION......	227	115	112	1	1	-	1	-	-	5	-
WALLOWA....	69	45	24	-	-	-	-	-	-	-	1
WASCO......	212	118	94	-	1	-	-	1	-	-	4
WASHINGTON.	1,825	916	909	18	14	3	3	5	1	29	6
WHEELER....	9	5	4	-	-	-	-	-	-	-	-
YAMHILL....	539	243	296	4	5	2	1	1	-	7	3

- QUANTITY IS ZERO

TABLE 4-14. DEATHS, 1988 CONTINUED

COUNTY OF RESIDENCE	SEX AND AGE GROUPS											
	25-34		35-44		45-54		55-64		65-74		75+	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
TOTAL......	401	162	491	253	658	437	1,647	1,072	3,253	2,249	5,621	7,378
BAKER......	1	1	3	2	3	3	10	9	12	17	45	48
BENTON.....	7	5	6	3	10	9	16	18	58	33	88	125
CLACKAMAS..	36	13	44	23	51	41	134	81	252	177	396	607
CLATSOP....	5	4	8	2	7	4	17	11	49	41	114	90
COLUMBIA...	6	2	8	3	11	5	23	15	49	36	79	82
COOS.......	12	3	9	5	20	10	50	31	95	69	134	172
CROOK......	3	-	2	-	6	3	15	8	23	18	38	36
CURRY......	2	2	2	2	4	2	16	8	41	28	42	53
DESCHUTES..	6	5	13	6	20	16	41	31	91	65	133	154
DOUGLAS....	11	8	18	7	21	13	69	46	143	92	216	215
GILLIAM....	-	-	-	-	-	1	3	-	5	2	4	2
GRANT......	1	-	1	-	2	2	3	3	7	6	26	25
HARNEY.....	-	1	2	1	5	1	5	4	7	3	16	13
HOOD RIVER.	2	-	3	-	6	1	6	7	17	15	37	60
JACKSON....	16	8	15	13	35	23	87	48	202	115	335	403
JEFFERSON..	5	1	1	7	4	4	6	4	17	11	23	33
JOSEPHINE..	8	5	14	9	15	12	48	27	112	64	203	240
KLAMATH....	7	4	12	6	17	13	33	26	76	40	126	126
LAKE.......	3	-	1	1	1	1	4	-	7	6	12	13
LANE.......	32	22	42	27	59	37	172	101	322	199	521	704
LINCOLN....	2	3	6	7	11	5	35	19	68	55	107	130
LINN.......	13	5	6	6	18	12	55	52	123	83	206	236
MALHEUR....	6	2	4	3	7	2	11	19	31	10	77	64
MARION.....	42	13	38	9	55	34	126	75	252	163	468	616
MORROW.....	1	-	2	-	2	5	5	2	6	6	15	10
MULTNOMAH..	117	40	163	68	166	101	396	247	688	524	1,177	1,844
POLK.......	3	1	5	7	8	3	20	15	62	27	90	141
SHERMAN....	-	-	-	1	-	-	2	1	4	1	7	3
TILLAMOOK..	1	1	4	-	2	5	15	13	39	25	77	64
UMATILLA...	5	1	9	4	16	11	35	24	70	48	131	169
UNION......	4	-	2	1	7	1	11	11	22	24	63	73
WALLOWA....	1	-	-	-	3	2	4	1	11	6	26	14
WASCO......	2	-	2	-	5	5	15	8	21	15	72	61
WASHINGTON.	34	11	39	20	47	39	131	77	204	170	406	568
WHEELER....	-	-	-	-	-	-	-	1	3	1	2	2
YAMHILL....	7	1	7	10	14	11	28	29	64	54	109	182

- QUANTITY IS ZERO

TABLE 4-15. LEADING CAUSES OF DEATH BY COUNTY OF RESIDENCE OF DECEASED, OREGON, 1988

COUNTY OF RESIDENCE	TOTAL	DISEASES OF THE HEART	MALIGNANT NEOPLASMS	CEREBROVASCULAR DISEASE	BRONCHIITIS, EMPHYSEMA ASTHMA AND CHRONIC OBSTRUCTIVE PULMONARY DISEASE	ACCIDENTS	INFLUENZA AND PNEUMONIA	SUICIDE	DIABETES MELLITUS	ARTERIOSCLEROSIS
TOTAL......	24,557	7,662	5,801	2,010	1,203	1,190	900	461	439	378
RATE 1/....	895.9	279.5	211.6	73.3	43.9	43.4	32.8	16.8	16.0	13.8
BAKER......	160	59	46	5	6	5	8	3	-	3
BENTON.....	400	112	111	33	18	25	13	6	8	6
CLACKAMAS..	1,935	615	470	147	103	99	81	31	27	44
CLATSOP....	364	124	95	22	19	19	8	6	9	4
COLUMBIA...	331	99	82	27	14	17	12	6	5	4
COOS.......	635	183	159	58	46	41	18	9	15	7
CROOK......	153	47	35	12	10	6	14	1	3	8
CURRY......	206	75	57	13	7	8	3	2	5	7
DESCHUTES..	617	169	166	48	42	35	20	12	12	8
DOUGLAS....	889	286	232	60	50	50	29	15	14	8
GILLIAM....	18	9	3	-	1	1	1	-	-	1
GRANT......	82	28	12	10	6	7	1	-	1	-
HARNEY.....	63	11	15	6	4	7	1	4	2	-
HOOD RIVER.	160	52	39	14	9	8	5	-	3	1
JACKSON....	1,353	401	322	113	59	67	64	28	16	15
JEFFERSON..	131	41	16	12	4	21	3	4	5	2
JOSEPHINE..	774	240	189	79	31	23	27	9	10	11
KLAMATH....	507	145	105	50	34	38	14	10	9	10
LAKE.......	52	15	12	6	3	5	1	1	-	1
LANE.......	2,333	673	549	187	128	116	64	61	52	46
LINCOLN....	456	161	117	25	17	14	17	9	8	10
LINN.......	846	284	215	53	40	56	24	7	17	12
MALHEUR....	242	77	60	18	18	13	14	6	7	2
MARION.....	1,970	680	423	185	76	99	61	45	36	17
MORROW.....	54	14	19	2	-	7	3	-	2	-
MULTNOMAH..	5,725	1,788	1,260	484	260	217	235	100	105	102
POLK.......	406	112	91	41	22	25	15	11	6	9
SHERMAN....	19	6	7	2	1	-	-	-	-	-
TILLAMOOK..	249	83	62	21	12	11	5	2	5	5
UMATILLA...	546	170	125	45	27	20	26	11	10	2
UNION......	227	74	47	17	17	9	12	7	2	-
WALLOWA....	69	21	18	4	2	1	8	6	-	-
WASCO......	212	74	57	15	12	6	16	3	2	-
WASHINGTON.	1,825	575	449	146	80	85	62	40	35	30
WHEELER....	9	3	4	-	-	-	1	-	-	-
YAMHILL....	539	156	132	50	25	29	14	6	8	3

- QUANTITY IS ZERO   1/ RATES PER 100,000 POPULATION

TABLE 4-15. LEADING CAUSES OF DEATH BY COUNTY OREGON, 1988, CONTINUED

COUNTY OF RESIDENCE	ALCOHOLISM, ALCOHOLIC CIRRHOSIS AND ALCOHOL PSYCHOSIS	OTHER DISEASES OF ARTERIES	HOMICIDE	CONGENITAL ANOMALIES	CERTAIN CAUSES IN EARLY INFANCY	AIDS	HYPERTENSION	NEPHRITIS & NEPHROSIS	SUDDEN INFANT DEATH SYNDROME	ALL OTHER CAUSES
TOTAL......	330	304	152	133	128	114	112	108	99	3,033
RATE 1/....	12.0	11.1	5.5	4.9	4.7	4.2	4.1	3.9	3.6	110.7
BAKER......	-	-	1	2	-	-	1	1	-	20
BENTON.....	3	5	-	3	2	-	1	-	2	52
CLACKAMAS..	22	24	12	6	9	6	9	8	13	209
CLATSOP....	10	3	3	1	2	2	-	2	1	34
COLUMBIA...	4	6	6	2	2	-	1	1	1	42
COOS.......	10	3	4	4	4	1	2	4	1	66
CROOK......	1	4	-	-	-	-	-	-	-	12
CURRY......	4	1	-	1	1	-	-	-	-	22
DESCHUTES..	8	7	4	3	5	2	3	2	1	70
DOUGLAS....	13	12	6	7	3	-	4	3	2	95
GILLIAM....	-	-	-	-	-	-	-	-	-	2
GRANT......	4	-	-	-	2	-	-	-	1	10
HARNEY.....	-	1	-	-	-	-	-	1	-	11
HOOD RIVER.	1	2	-	1	-	-	1	1	-	23
JACKSON....	21	23	6	8	6	2	3	8	4	187
JEFFERSON..	3	1	2	-	-	-	1	-	3	13
JOSEPHINE..	9	13	9	5	2	2	5	2	3	105
KLAMATH....	13	8	4	4	1	-	6	-	2	54
LAKE.......	1	1	-	-	-	-	-	-	1	5
LANE.......	14	35	11	12	14	5	15	7	10	334
LINCOLN....	5	2	2	2	1	-	1	2	1	62
LINN.......	6	9	2	2	3	-	5	4	2	105
MALHEUR....	2	-	-	-	1	1	-	3	-	20
MARION.....	22	29	11	10	12	5	12	12	12	223
MORROW.....	2	-	-	-	-	-	-	-	-	5
MULTNOMAH..	109	71	51	35	36	81	22	26	23	720
POLK.......	6	6	4	1	1	1	1	3	3	48
SHERMAN....	2	-	-	-	-	-	-	-	-	1
TILLAMOOK..	4	1	-	1	-	-	-	1	-	36
UMATILLA...	9	8	2	3	2	1	5	4	2	74
UNION......	1	4	-	2	-	-	1	2	-	32
WALLOWA....	1	1	-	-	-	-	1	-	-	6
WASCO......	2	1	-	1	-	-	1	1	-	21
WASHINGTON.	13	17	5	13	16	4	7	8	6	234
WHEELER....	1	-	-	-	-	-	-	-	-	-
YAMHILL....	4	6	7	4	3	1	4	2	5	80

- QUANTITY IS ZERO

1/ RATES PER 100,000 POPULATION

TABLE 4-16. DEATHS BY COUNTY OF RESIDENCE BY SEX AND RACE, OREGON, 1988

COUNTY OF RESIDENCE	TOTAL	MALE	FEMALE	RACE								HISPANIC *
				WHITE	AFRICAN AMERICAN	INDIAN	CHINESE	JAPANESE	OTHER ASIAN & PACIFIC ISLANDER	OTHER NON-WHITE	N.S.	
TOTAL......	24,557	12,677	11,880	23,849	348	177	52	40	57	24	5	182
BAKER......	160	78	82	160	-	-	-	-	-	-	-	-
BENTON.....	400	202	198	394	2	-	3	-	1	-	-	3
CLACKAMAS..	1,935	966	969	1,922	4	-	2	2	4	1	-	5
CLATSOP....	364	208	156	360	1	1	1	-	-	1	-	2
COLUMBIA...	331	181	150	331	-	-	-	-	-	-	-	-
COOS.......	635	339	296	628	1	4	1	-	-	1	-	2
CROOK......	153	88	65	153	-	-	-	-	-	-	-	-
CURRY......	206	110	96	205	-	1	-	-	-	-	-	1
DESCHUTES..	617	322	295	610	3	-	-	1	2	1	-	2
DOUGLAS....	889	499	390	877	1	11	-	-	-	-	-	5
GILLIAM....	18	12	6	18	-	-	-	-	-	-	-	-
GRANT......	82	43	39	82	-	-	-	-	-	-	-	-
HARNEY.....	63	37	26	58	-	5	-	-	-	-	-	1
HOOD RIVER.	160	76	84	154	1	-	-	5	-	-	-	2
JACKSON....	1,353	725	628	1,344	3	3	1	-	2	-	-	11
JEFFERSON..	131	68	63	92	1	37	-	-	1	-	-	3
JOSEPHINE..	774	413	361	767	1	6	-	-	-	-	-	3
KLAMATH....	507	282	225	495	1	11	-	-	-	-	-	5
LAKE.......	52	29	23	52	-	-	-	-	-	-	-	1
LANE.......	2,333	1,202	1,131	2,308	4	9	2	3	3	4	-	9
LINCOLN....	456	235	221	448	-	6	1	-	-	1	-	1
LINN.......	846	442	404	838	-	5	1	-	1	-	-	5
MALHEUR....	242	141	101	236	1	-	-	5	-	-	-	9
MARION.....	1,970	1,037	933	1,948	5	10	3	-	1	3	-	35
MORROW.....	54	31	23	54	-	-	-	-	-	-	-	3
MULTNOMAH..	5,725	2,830	2,895	5,301	300	33	35	16	28	8	3	36
POLK.......	406	205	201	399	1	5	-	1	-	-	-	2
SHERMAN....	19	13	6	19	-	-	-	-	-	-	-	-
TILLAMOOK..	249	141	108	248	-	-	-	-	-	-	-	2
UMATILLA...	546	280	266	523	2	19	-	-	2	-	-	13
UNION......	227	115	112	225	2	-	-	-	-	-	-	-
WALLOWA....	69	45	24	69	-	-	-	-	-	-	-	-
WASCO......	212	118	94	209	-	3	-	-	-	-	-	-
WASHINGTON.	1,825	916	909	1,780	14	6	2	5	11	4	1	16
WHEELER....	9	5	4	9	-	-	-	-	-	-	-	-
YAMHILL....	539	243	296	533	-	2	-	2	1	-	1	5
OTHERS.....	-	-	-	-	-	-	-	-	-	-	-	-

- QUANTITY IS ZERO

* DECEDENTS ARE CLASSIFIED BY RACE AND ETHNICITY. MOST HISPANIC DECEDENTS ARE WHITE WITH A SMALL NUMBER BLACK OR INDIAN.

NOTE: OTHER NON-WHITE INCLUDES GROUPS WHERE FEWER THAN 20 DEATHS WERE RECORDED (E.G. HAWAIIAN, FILIPINO).

TABLE 4-17. ACCIDENTAL DEATHS BY PRINCIPAL CLASSES AND COUNTY OF ACCIDENT, OREGON, 1988

COUNTY OF ACCIDENT	TOTAL ACCIDENTS	DEATH RATE 1/	MOTOR VEHICLE	HOME	OCCUPATIONAL	PUBLIC	UNCLASSIFIED
TOTAL......	1,190	43.4	668	185	42	226	69
BAKER......	5	33.0	-	3	-	2	-
BENTON.....	24	34.2	15	7	2	-	-
CLACKAMAS..	89	33.9	52	17	1	19	-
CLATSOP....	23	67.6	19	-	2	2	-
COLUMBIA...	11	29.9	3	5	-	3	-
COOS.......	39	66.3	23	3	3	10	-
CROOK......	5	37.6	4	-	-	1	-
CURRY......	8	43.5	3	1	-	4	-
DESCHUTES..	31	45.1	22	3	-	6	-
DOUGLAS....	57	61.3	37	5	7	8	-
GILLIAM....	-	-	-	-	-	-	-
GRANT......	11	131.7+	5	1	1	4	-
HARNEY.....	6	81.1	5	1	-	-	-
HOOD RIVER.	8	48.5	4	1	1	2	-
JACKSON....	53	37.0	36	10	1	6	-
JEFFERSON..	20	168.1+	18	1	-	1	-
JOSEPHINE..	20	31.3	12	5	-	3	-
KLAMATH....	33	57.6	22	5	-	5	1
LAKE.......	5	68.5	3	1	-	1	-
LANE.......	92	33.6	59	12	6	15	-
LINCOLN....	20	52.6	10	4	1	5	-
LINN.......	58	65.3+	37	12	5	4	-
MALHEUR....	11	41.7	8	1	-	2	-
MARION.....	78	35.6	53	13	1	11	-
MORROW.....	3	38.5	1	-	1	1	-
MULTNOMAH..	176	30.9-	89	46	1	34	6
POLK.......	16	33.8	11	2	-	3	-
SHERMAN....	3	150.0	1	-	-	2	-
TILLAMOOK..	12	56.1	7	-	-	5	-
UMATILLA...	14	24.3-	8	2	1	3	-
UNION......	8	34.3	3	-	-	5	-
WALLOWA....	2	27.8	2	-	-	-	-
WASCO......	9	43.7	7	1	1	-	-
WASHINGTON.	53	18.5-	33	13	1	6	-
WHEELER....	-	-	-	-	-	-	-
YAMHILL....	26	43.5	16	5	3	2	-
OUT-OF-STATE....	-	-	-	-	-	-	-

- QUANTITY IS ZERO

1/ RATE PER 100,000 POPULATION

TABLE 4-18. ALL DEATHS AND MEDICAL EXAMINER'S CASES BY COUNTY OF OCCURRENCE AND AUTOPSY STATUS, OREGON, 1988

COUNTY OF OCCURRENCE	TOTAL DEATHS	TOTAL DEATHS AUTOPSIED	PERCENT OF TOTAL DEATHS AUTOPSIED	M.E. CASES	M.E. CASES AUTOPSIED	PERCENT OF ME CASES AUTOPSIED
TOTAL......	24,952	2,124	8.5	3,768	1,031	27.4
BAKER......	148	12	8.1	32	10	31.3
BENTON.....	423	43	10.2	56	25	44.6
CLACKAMAS..	1,887	131	6.9	272	66	24.3
CLATSOP....	315	17	5.4	58	11	19.0
COLUMBIA...	213	20	9.4	32	11	34.4
COOS.......	621	26	4.2	95	17	17.9
CROOK......	103	1	1.0	25	1	4.0
CURRY......	147	2	1.4	22	2	9.1
DESCHUTES..	687	37	5.4	123	20	16.3
DOUGLAS....	910	70	7.7	140	19	13.6
GILLIAM....	3	0	.0	1	0	.0
GRANT......	69	3	4.3	22	3	13.6
HARNEY.....	52	1	1.9	17	1	5.9
HOOD RIVER.	152	3	2.0	18	3	16.7
JACKSON....	1,422	128	9.0	233	98	42.1
JEFFERSON..	120	14	11.7	39	12	30.8
JOSEPHINE..	754	48	6.4	106	43	40.6
KLAMATH....	501	38	7.6	92	35	38.0
LAKE.......	49	5	10.2	13	3	23.1
LANE.......	2,376	228	9.6	262	120	45.8
LINCOLN....	385	18	4.7	79	9	11.4
LINN.......	738	46	6.2	122	27	22.1
MALHEUR....	291	24	8.2	54	11	20.4
MARION.....	1,952	133	6.8	235	67	28.5
MORROW.....	25	0	.0	5	0	.0
MULTNOMAH..	6,958	824	11.8	1,101	320	29.1
POLK.......	247	14	5.7	43	9	20.9
SHERMAN....	9	0	.0	5	0	.0
TILLAMOOK..	195	4	2.1	30	4	13.3
UMATILLA...	481	26	5.4	104	19	18.3
UNION......	215	6	2.8	37	5	13.5
WALLOWA....	49	2	4.1	10	2	20.0
WASCO......	232	7	3.0	22	2	9.1
WASHINGTON.	1,749	170	9.7	196	45	23.0
WHEELER....	3	0	.0	3	0	.0
YAMHILL....	471	23	4.9	64	11	17.2

TABLE 4-19. DEATHS OCCURRING IN OREGON BY COUNTY OF RESIDENCE AND DISPOSAL OF REMAINS, 1988

COUNTY OF RESIDENCE	TOTAL	BURIAL	CREMATION	MAUSOLEUM	REMOVAL	OTHER
TOTAL......	24,952	12,580	8,785	1,475	2,009	103
PERCENT....	100.0	50.4	35.2	5.9	8.1	0.4
BAKER......	141	102	12	-	27	-
BENTON.....	393	199	146	20	27	1
CLACKAMAS..	1,909	993	628	173	105	10
CLATSOP....	352	171	152	9	19	1
COLUMBIA...	291	183	90	9	7	2
COOS.......	620	331	258	12	19	-
CROOK......	151	104	41	-	5	1
CURRY......	189	54	120	2	12	1
DESCHUTES..	604	267	270	22	41	4
DOUGLAS....	873	426	373	19	55	-
GILLIAM....	18	13	1	-	4	-
GRANT......	77	51	22	-	4	-
HARNEY.....	57	41	14	1	1	-
HOOD RIVER.	154	84	40	6	21	3
JACKSON....	1,329	586	628	45	65	5
JEFFERSON..	125	97	25	1	2	-
JOSEPHINE..	765	332	355	23	52	3
KLAMATH....	492	264	189	18	21	-
LAKE.......	51	35	15	-	1	-
LANE.......	2,293	1,163	967	78	82	3
LINCOLN....	449	163	224	31	27	4
LINN.......	829	528	250	24	24	3
MALHEUR....	201	123	2	-	76	-
MARION.....	1,928	1,087	629	101	105	6
MORROW.....	48	37	3	-	8	-
MULTNOMAH..	5,645	2,798	1,902	629	286	30
POLK.......	398	233	121	21	19	4
SHERMAN....	18	12	6	-	-	-
TILLAMOOK..	243	128	93	16	4	2
UMATILLA...	480	325	35	14	106	-
UNION......	209	151	9	3	45	1
WALLOWA....	62	45	8	-	9	-
WASCO......	206	138	45	9	12	2
WASHINGTON.	1,795	857	694	137	99	8
WHEELER....	8	7	1	-	-	-
YAMHILL....	532	314	151	43	22	2
OUT-OF-STATE....	1,017	138	266	9	597	7

TABLE 4-20. DEATHS BY SELECTED CAUSES BY CITY, OREGON RESIDENTS, 1988

SELECTED CAUSES OF DEATH	OREGON NUMBER	OREGON RATE	CITY OF RESIDENCE					
			PORTLAND		EUGENE		SALEM	
			NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	24,557	895.9	4,524	1053.5	938	862.4	983	1015.2
TUBERCULOSIS (010-018, 137)	16	.6	7	1.6	-	-	-	-
SEPTICEMIA (038)	104	3.8	20	4.7	3	2.8	5	5.2
AIDS (042-044)	114	4.2	73	17.0	3	2.8	5	5.2
MEASLES (055)	1	.0	-	-	-	-	1	1.0
VIRAL HEPATITIS (070)	33	1.2	10	2.3	1	.9	1	1.0
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139)	83	3.0	11	2.6	5	4.6	2	2.1
MALIGNANT NEOPLASMS (140-208)	5,801	211.6	981	228.5	199	183.0	205	211.7
BUCCAL CAVITY & PHARYNX (140-149)	80	2.9	14	3.3	2	1.8	2	2.1
DIGESTIVE ORGANS & PERITONEUM (150-159)	1,333	48.6	230	53.6	51	46.9	44	45.4
LARGE INTESTINE (153)	496	18.1	89	20.7	17	15.6	17	17.6
PANCREAS (157)	302	11.0	39	9.1	11	10.1	4	4.1
RESPIRATORY/INTRATHORACIC ORGANS (160-165)	1,710	62.4	285	66.4	56	51.5	54	55.8
BRONCHUS AND LUNG (162.2-162.9)	1,654	60.3	275	64.0	56	51.5	52	53.7
MALIGNANT MELANOMA (172)	71	2.6	8	1.9	1	.9	2	2.1
OTHER SKIN (173)	22	.8	2	.5	-	-	3	3.1
BREAST (174-175)	504	18.4	95	22.1	19	17.5	15	15.5
GENITAL ORGANS (179-187)	669	24.4	111	25.8	21	19.3	19	19.6
CERVIX & UTERUS (179-182)	121	4.4	24	5.6	3	2.8	4	4.1
OVARY (183.0)	148	5.4	23	5.4	5	4.6	8	8.3
PROSTATE (185)	379	13.8	61	14.2	12	11.0	7	7.2
URINARY ORGANS (188-189)	239	8.7	41	9.5	10	9.2	6	6.2
LEUKEMIA (204-208)	253	9.2	47	10.9	15	13.8	13	13.4
BENIGN NEOPLASMS (210-229)	10	.4	2	.5	-	-	1	1.0
IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED NATURE NEOPLASMS (230-239)	48	1.8	8	1.9	5	4.6	2	2.1
DIABETES MELLITUS (250)	439	16.0	85	19.8	24	22.1	17	17.6
NUTRITIONAL DEFICIENCIES (260-269)	24	.9	3	.7	1	.9	-	-
ANEMIAS (280-285)	34	1.2	7	1.6	1	.9	-	-
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291, 303)	86	3.1	34	7.9	2	1.8	-	-
DRUG DEPENDENCE (304)	18	.7	9	2.1	-	-	1	1.0
MENINGITIS (302-322)	13	.5	1	.2	2	1.8	-	-
ALZHEIMER'S DISEASE (331)	261	9.5	39	9.1	22	20.2	12	12.4
PARKINSON'S DISEASE (332)	131	4.8	20	4.7	10	9.2	6	6.2
EPILEPSY (345)	27	1.0	4	.9	1	.9	-	-
MAJOR CARDIOVASCULAR DISEASES (390-448)	10,476	382.2	1,943	452.5	392	360.4	465	480.2
DISEASES OF THE HEART (390-398, 402, 404-429)	7,672	279.9	1,400	326.0	277	254.7	333	343.9
RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE (390-398)	86	3.1	15	3.5	2	1.8	1	1.0
HYPERTENSIVE HEART DISEASE WITH OR WITHOUT RENAL DISEASE (402,404)	214	7.8	47	10.9	9	8.3	13	13.4
ISCHEMIC HEART DISEASE (410-414)	5,695	207.8	1,005	234.0	207	190.3	243	251.0
MYOCARDIAL INFARCTION (410)	2,175	79.4	344	80.1	73	67.1	112	115.7
OTHER ACUTE & SUBACUTE (411)	6	.2	2	.5	-	-	-	-
CHRONIC ISCHEMIC HEART DISEASE (412-414)	3,514	128.2	659	153.5	134	123.2	131	135.3
ALL OTHER FORMS (415-429)	1,677	61.2	333	77.5	59	54.2	76	78.5
HYPERTENSION (401, 403)	112	4.1	19	4.4	7	6.4	6	6.2
CEREBROVASCULAR DISEASE (430-438)	2,010	73.3	386	89.9	77	70.8	94	97.1
SUBARACHNOID HEMORRHAGE (430)	100	3.6	18	4.2	3	2.8	4	4.1
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432)	240	8.8	45	10.5	12	11.0	16	16.5
CEREBRAL THROMBOSIS & EMBOLISM (434)	273	10.0	53	12.3	17	15.6	29	29.9
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436)	1,134	41.4	221	51.5	29	26.7	35	36.1
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437)	151	5.5	26	6.1	12	11.0	6	6.2
ARTERIOSCLEROSIS (440)	378	13.8	79	18.4	17	15.6	14	14.5
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES (441-448)	304	11.1	59	13.7	14	12.9	18	18.6
VENOUS THROMBOSIS & EMBOLISM (451-453)	23	.8	3	.7	-	-	-	-
PNEUMONIA (480-486)	856	31.2	175	40.8	32	29.4	24	24.8
INFLUENZA (487)	44	1.6	2	.5	1	.9	1	1.0
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496)	1,203	43.9	198	46.1	59	54.2	39	40.3
GASTRIC, DUODENAL, OR PEPTIC ULCER (531-533)	91	3.3	21	4.9	7	6.4	4	4.1
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560)	51	1.9	7	1.6	3	2.8	1	1.0
CIRRHOSIS OF THE LIVER (571)	289	10.5	66	15.4	6	5.5	19	19.6
ALCOHOLIC CIRRHOSIS (571.0-571.3)	232	8.5	57	13.3	5	4.6	15	15.5
DISEASES OF THE GALLBLADDER (574-576)	56	2.0	10	2.3	1	.9	-	-
NEPHRITIS & NEPHROSIS (580-589)	108	3.9	23	5.4	2	1.8	8	8.3
INFECTIONS OF THE KIDNEY (590)	22	.8	6	1.4	1	.9	1	1.0
DISEASES OF MALE GENITAL ORGANS (600-608)	8	.3	3	.7	-	-	1	1.0
DISEASES OF THE UTERUS AND OTHER FEMALE GENITAL ORGANS (614-629)	1	.0	-	-	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH & THE PUERPERIUM (630-676)	3	.1	2	.5	-	-	-	-
CONGENITAL ANOMALIES (740-759)	133	4.9	28	6.5	7	6.4	4	4.1
CERTAIN CAUSES IN EARLY INFANCY (760-779)	128	4.7	29	6.8	3	2.8	7	7.2
SENILITY (797)	5	.2	1	.2	-	-	-	-
SUDDEN INFANT DEATH SYNDROME (798.0)	99	3.6	16	3.7	1	.9	5	5.2
ALL OTHER NATURAL CAUSES	3,695	134.8	675	157.2	142	130.6	146	150.8
ACCIDENTS (800-949)	1,190	43.4	173	40.3	27	24.8	37	38.2
MOTOR VEHICLE ACCIDENTS (810-825)	668	24.4	72	16.8	15	13.8	19	19.6
SUICIDES (950-959)	461	16.8	77	17.9	28	25.7	28	28.9
HOMICIDES (960-978)	152	5.5	45	10.5	3	2.8	11	11.4
INJURIES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED (980-989)	41	1.5	19	4.4	-	-	1	1.0

NOTE: - INDICATES QUANTITY EQUALS ZERO.

TABLE 4-21. DEATHS BY SELECTED CAUSES BY COUNTY, OREGON RESIDENTS, 1988

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	BAKER		BENTON		CLACKAMAS		CLATSOP	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	160	1056.1	400	570.6	1,935	738.0	364	1070.6
TUBERCULOSIS (010-018, 137)	-	-	-	-	1	.4	-	-
SEPTICEMIA (038)	2	13.2	3	4.3	8	3.1	1	2.9
AIDS (042-044)	-	-	-	-	6	2.3	2	5.9
MEASLES (055)	-	-	-	-	-	-	-	-
VIRAL HEPATITIS (070)	-	-	-	-	5	1.9	-	-
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139)	1	6.6	-	-	5	1.9	1	2.9
MALIGNANT NEOPLASMS (140-208)	46	303.6	111	158.3	470	179.3	95	279.4
BUCCAL CAVITY & PHARYNX (140-149)	1	6.6	-	-	6	2.3	2	5.9
DIGESTIVE ORGANS & PERITONEUM (150-159)	11	72.6	27	38.5	113	43.1	20	58.8
LARGE INTESTINE (153)	6	39.6	9	12.8	45	17.2	4	11.8
PANCREAS (157)	5	33.0	9	12.8	25	9.5	7	20.6
RESPIRATORY/INTRATHORACIC ORGANS (160-165)	13	85.8	27	38.5	131	50.0	26	76.5
BRONCHUS AND LUNG (162.2-162.9)	13	85.8	26	37.1	128	48.8	26	76.5
MALIGNANT MELANOMA (172)	-	-	4	5.7	9	3.4	-	-
OTHER SKIN (173)	-	-	-	-	4	1.5	2	5.9
BREAST (174-175)	2	13.2	11	15.7	38	14.5	12	35.3
GENITAL ORGANS (179-187)	6	39.6	15	21.4	58	22.1	11	32.4
CERVIX & UTERUS (179-182)	1	6.6	3	4.3	9	3.4	-	-
OVARY (183.0)	3	19.8	3	4.3	21	8.0	-	-
PROSTATE (185)	2	13.2	9	12.8	27	10.3	11	32.4
URINARY ORGANS (188-189)	2	13.2	2	2.9	18	6.9	6	17.6
LEUKEMIA (204-208)	4	26.4	3	4.3	17	6.5	1	2.9
BENIGN NEOPLASMS (210-229)	-	-	-	-	-	-	1	2.9
IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED NATURE NEOPLASMS (230-239)	-	-	2	2.9	4	1.5	1	2.9
DIABETES MELLITUS (250)	-	-	8	11.4	27	10.3	9	26.5
NUTRITIONAL DEFICIENCIES (260-269)	-	-	-	-	1	.4	-	-
ANEMIAS (280-285)	1	6.6	-	-	2	.8	-	-
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291, 303)	-	-	-	-	6	2.3	-	-
DRUG DEPENDENCE (304)	-	-	-	-	2	.8	1	2.9
MENINGITIS (302-322)	-	-	-	-	1	.4	-	-
ALZHEIMER'S DISEASE (331)	2	13.2	7	10.0	18	6.9	5	14.7
PARKINSON'S DISEASE (332)	2	13.2	3	4.3	8	3.1	-	-
EPILEPSY (345)	1	6.6	-	-	2	.8	-	-
MAJOR CARDIOVASCULAR DISEASES (390-448)	68	448.8	157	224.0	839	320.0	153	450.0
DISEASES OF THE HEART (390-398, 402, 404-429)	59	389.4	112	159.8	615	234.6	124	364.7
RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE (390-398)	1	6.6	3	4.3	7	2.7	-	-
HYPERTENSIVE HEART DISEASE WITH OR WITHOUT RENAL DISEASE (402,404)	1	6.6	2	2.9	29	11.1	3	8.8
ISCHEMIC HEART DISEASE (410-414)	47	310.2	80	114.1	457	174.3	89	261.8
MYOCARDIAL INFARCTION (410)	11	72.6	22	31.4	171	65.2	27	79.4
OTHER ACUTE & SUBACUTE (411)	-	-	-	-	-	-	-	-
CHRONIC ISCHEMIC HEART DISEASE (412-414)	36	237.6	58	82.7	286	109.1	62	182.4
ALL OTHER FORMS (415-429)	10	66.0	27	38.5	122	46.5	32	94.1
HYPERTENSION (401, 403)	1	6.6	1	1.4	9	3.4	-	-
CEREBROVASCULAR DISEASE (430-438)	5	33.0	33	47.1	147	56.1	22	64.7
SUBARACHNOID HEMORRHAGE (430)	1	6.6	2	2.9	7	2.7	1	2.9
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432)	1	6.6	2	2.9	19	7.2	3	8.8
CEREBRAL THROMBOSIS & EMBOLISM (434)	-	-	3	4.3	15	5.7	2	5.9
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436)	2	13.2	18	25.7	88	33.6	12	35.3
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437)	1	6.6	6	8.6	10	3.8	2	5.9
ARTERIOSCLEROSIS (440)	3	19.8	6	8.6	44	16.8	4	11.8
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES (441-448)	-	-	5	7.1	24	9.2	3	8.8
VENOUS THROMBOSIS & EMBOLISM (451-453)	-	-	-	-	3	1.1	1	2.9
PNEUMONIA (480-486)	7	46.2	13	18.5	79	30.1	8	23.5
INFLUENZA (487)	1	6.6	-	-	2	.8	-	-
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496)	6	39.6	18	25.7	103	39.3	19	55.9
GASTRIC, DUODENAL, OR PEPTIC ULCER (531-533)	-	-	-	-	4	1.5	2	5.9
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560)	-	-	1	1.4	1	.4	1	2.9
CIRRHOSIS OF THE LIVER (571)	-	-	3	4.3	20	7.6	10	29.4
ALCOHOLIC CIRRHOSIS (571.0-571.3)	-	-	3	4.3	16	6.1	10	29.4
DISEASES OF THE GALLBLADDER (574-576)	-	-	2	2.9	3	1.1	1	2.9
NEPHRITIS & NEPHROSIS (580-589)	1	6.6	-	-	8	3.1	2	5.9
INFECTIONS OF THE KIDNEY (590)	-	-	-	-	-	-	1	2.9
DISEASES OF MALE GENITAL ORGANS (600-608)	-	-	-	-	-	-	-	-
DISEASES OF THE UTERUS AND OTHER FEMALE GENITAL ORGANS (614-629)	-	-	-	-	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH & THE PUERPERIUM (630-676)	-	-	-	-	-	-	-	-
CONGENITAL ANOMALIES (740-759)	2	13.2	3	4.3	6	2.3	1	2.9
CERTAIN CAUSES IN EARLY INFANCY (760-779)	-	-	2	2.9	9	3.4	2	5.9
SENILITY (797)	-	-	-	-	-	-	-	-
SUDDEN INFANT DEATH SYNDROME (798.0)	-	-	2	2.9	13	5.0	1	2.9
ALL OTHER NATURAL CAUSES	20	132.0	65	92.7	278	106.0	46	135.3
ACCIDENTS (800-949)	5	33.0	25	35.7	99	37.8	19	55.9
MOTOR VEHICLE ACCIDENTS (810-825)	1	6.6	13	18.5	52	19.8	13	38.2
SUICIDES (950-959)	3	19.8	6	8.6	31	11.8	6	17.6
HOMICIDES (960-978)	1	6.6	-	-	12	4.6	3	8.8
INJURIES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED (980-989)	-	-	-	-	5	1.9	1	2.9

TABLE 4-21. DEATHS BY SELECTED CAUSES BY COUNTY, OREGON RESIDENTS, 1988, CONTINUED

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	HARNEY		HOOD RIVER		JACKSON		JEFFERSON	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	63	851.4	160	969.7	1,353	943.5	131	1100.8
TUBERCULOSIS (010-018, 137)	-	-	1	6.1	1	.7	-	-
SEPTICEMIA (038)	1	13.5	1	6.1	2	1.4	1	8.4
AIDS (042-044)	-	-	-	-	2	1.4	-	-
MEASLES (055)	-	-	-	-	-	-	-	-
VIRAL HEPATITIS (070)	-	-	-	-	2	1.4	1	8.4
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139)	-	-	2	12.1	5	3.5	-	-
MALIGNANT NEOPLASMS (140-208)	15	202.7	39	236.4	322	224.5	16	134.5
BUCCAL CAVITY & PHARYNX (140-149)	-	-	1	6.1	2	1.4	-	-
DIGESTIVE ORGANS & PERITONEUM (150-159)	2	27.0	6	36.4	65	45.3	4	33.6
LARGE INTESTINE (153)	-	-	3	18.2	21	14.6	1	8.4
PANCREAS (157)	1	13.5	1	6.1	19	13.2	2	16.8
RESPIRATORY/INTRATHORACIC ORGANS (160-165)	7	94.6	8	48.5	108	75.3	1	8.4
BRONCHUS AND LUNG (162.2-162.9)	6	81.1	8	48.5	103	71.8	1	8.4
MALIGNANT MELANOMA (172)	-	-	-	-	6	4.2	-	-
OTHER SKIN (173)	1	13.5	-	-	-	-	-	-
BREAST (174-175)	1	13.5	3	18.2	24	16.7	1	8.4
GENITAL ORGANS (179-187)	2	27.0	1	6.1	52	36.3	4	33.6
CERVIX & UTERUS (179-182)	1	13.5	1	6.1	7	4.9	-	-
OVARY (183.0)	-	-	-	-	8	5.6	1	8.4
PROSTATE (185)	1	13.5	-	-	32	22.3	3	25.2
URINARY ORGANS (188-189)	-	-	2	12.1	11	7.7	3	25.2
LEUKEMIA (204-208)	1	13.5	3	18.2	12	8.4	1	8.4
BENIGN NEOPLASMS (210-229)	-	-	-	-	1	.7	-	-
IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED NATURE NEOPLASMS (230-239)	-	-	1	6.1	2	1.4	-	-
DIABETES MELLITUS (250)	2	27.0	3	18.2	16	11.2	5	42.0
NUTRITIONAL DEFICIENCIES (260-269)	-	-	-	-	1	.7	-	-
ANEMIAS (280-285)	1	13.5	-	-	-	-	-	-
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291, 303)	-	-	-	-	5	3.5	-	-
DRUG DEPENDENCE (304)	-	-	-	-	-	-	-	-
MENINGITIS (302-322)	-	-	-	-	-	-	-	-
ALZHEIMER'S DISEASE (331)	1	13.5	3	18.2	24	16.7	-	-
PARKINSON'S DISEASE (332)	-	-	-	-	9	6.3	-	-
EPILEPSY (345)	-	-	-	-	2	1.4	-	-
MAJOR CARDIOVASCULAR DISEASES (390-448)	18	243.2	70	424.2	555	387.0	57	479.0
DISEASES OF THE HEART (390-398, 402, 404-429)	11	148.6	52	315.2	401	279.6	41	344.5
RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE (390-398)	-	-	-	-	4	2.8	-	-
HYPERTENSIVE HEART DISEASE WITH OR WITHOUT RENAL DISEASE (402,404)	1	13.5	1	6.1	5	3.5	-	-
ISCHEMIC HEART DISEASE (410-414)	5	67.6	39	236.4	312	217.6	30	252.1
MYOCARDIAL INFARCTION (410)	5	67.6	23	139.4	93	64.9	11	92.4
OTHER ACUTE & SUBACUTE (411)	-	-	-	-	-	-	-	-
CHRONIC ISCHEMIC HEART DISEASE (412-414)	-	-	16	97.0	219	152.7	19	159.7
ALL OTHER FORMS (415-429)	5	67.6	12	72.7	80	55.8	11	92.4
HYPERTENSION (401, 403)	-	-	1	6.1	3	2.1	1	8.4
CEREBROVASCULAR DISEASE (430-438)	6	81.1	14	84.8	113	78.8	12	100.8
SUBARACHNOID HEMORRHAGE (430)	2	27.0	-	-	8	5.6	-	-
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432)	2	27.0	-	-	12	8.4	1	8.4
CEREBRAL THROMBOSIS & EMBOLISM (434)	-	-	2	12.1	17	11.9	-	-
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436)	1	13.5	10	60.6	61	42.5	9	75.6
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437)	-	-	1	6.1	9	6.3	2	16.8
ARTERIOSCLEROSIS (440)	-	-	1	6.1	15	10.5	2	16.8
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES (441-448)	1	13.5	2	12.1	23	16.0	1	8.4
VENOUS THROMBOSIS & EMBOLISM (451-453)	-	-	-	-	2	1.4	-	-
PNEUMONIA (480-486)	-	-	5	30.3	62	43.2	3	25.2
INFLUENZA (487)	1	13.5	-	-	2	1.4	-	-
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496)	4	54.1	9	54.5	59	41.1	4	33.6
GASTRIC, DUODENAL, OR PEPTIC ULCER (531-533)	-	-	1	6.1	6	4.2	-	-
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560)	-	-	-	-	2	1.4	-	-
CIRRHOSIS OF THE LIVER (571)	-	-	1	6.1	21	14.6	3	25.2
ALCOHOLIC CIRRHOSIS (571.0-571.3)	-	-	1	6.1	16	11.2	3	25.2
DISEASES OF THE GALLBLADDER (574-576)	-	-	-	-	3	2.1	-	-
NEPHRITIS & NEPHROSIS (580-589)	1	13.5	1	6.1	8	5.6	-	-
INFECTIONS OF THE KIDNEY (590)	-	-	-	-	2	1.4	-	-
DISEASES OF MALE GENITAL ORGANS (600-608)	-	-	-	-	-	-	-	-
DISEASES OF THE UTERUS AND OTHER FEMALE GENITAL ORGANS (614-629)	-	-	-	-	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH & THE PUERPERIUM (630-676)	-	-	-	-	-	-	-	-
CONGENITAL ANOMALIES (740-759)	-	-	1	6.1	8	5.6	-	-
CERTAIN CAUSES IN EARLY INFANCY (760-779)	-	-	-	-	6	4.2	-	-
SENILITY (797)	1	13.5	-	-	1	.7	-	-
SUDDEN INFANT DEATH SYNDROME (798.0)	-	-	-	-	4	2.8	3	25.2
ALL OTHER NATURAL CAUSES	18	243.2	22	133.3	218	152.0	38	319.3
ACCIDENTS (800-949)	7	94.6	8	48.5	67	46.7	21	176.5
MOTOR VEHICLE ACCIDENTS (810-825)	4	54.1	2	12.1	42	29.3	14	117.6
SUICIDES (950-959)	4	54.1	-	-	28	19.5	4	33.6
HOMICIDES (960-978)	-	-	-	-	6	4.2	2	16.8
INJURIES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED (980-989)	-	-	1	6.1	2	1.4	-	-

NOTE: - INDICATES QUANTITY EQUALS ZERO.

TABLE 4-21. DEATHS BY SELECTED CAUSES BY COUNTY, OREGON RESIDENTS, 1988, CONTINUED

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	JOSEPHINE		KLAMATH		LAKE		LANE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	774	1209.4	507	884.8	52	712.3	2,333	852.4
TUBERCULOSIS (010-018, 137)	-	-	-	-	-	-	1	.4
SEPTICEMIA (038)	3	4.7	1	1.7	-	-	6	2.2
AIDS (042-044)	2	3.1	-	-	-	-	5	1.8
MEASLES (055)	-	-	-	-	-	-	-	-
VIRAL HEPATITIS (070)	-	-	1	1.7	-	-	1	.4
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139)	2	3.1	1	1.7	-	-	7	2.6
MALIGNANT NEOPLASMS (140-208)	189	295.3	105	183.2	12	164.4	549	200.6
BUCCAL CAVITY & PHARYNX (140-149)	3	4.7	1	1.7	-	-	6	2.2
DIGESTIVE ORGANS & PERITONEUM (150-159)	45	70.3	32	55.8	2	27.4	140	51.2
LARGE INTESTINE (153)	15	23.4	9	15.7	1	13.7	55	20.1
PANCREAS (157)	13	20.3	8	14.0	-	-	29	10.6
RESPIRATORY/INTRATHORACIC ORGANS (160-165)	51	79.7	28	48.9	3	41.1	154	56.3
BRONCHUS AND LUNG (162.2-162.9)	51	79.7	24	41.9	3	41.1	147	53.7
MALIGNANT MELANOMA (172)	2	3.1	1	1.7	1	13.7	8	2.9
OTHER SKIN (173)	-	-	-	-	-	-	-	-
BREAST (174-175)	15	23.4	4	7.0	1	13.7	47	17.2
GENITAL ORGANS (179-187)	24	37.5	14	24.4	2	27.4	60	21.9
CERVIX & UTERUS (179-182)	4	6.3	1	1.7	-	-	10	3.7
OVARY (183.0)	4	6.3	2	3.5	-	-	15	5.5
PROSTATE (185)	15	23.4	11	19.2	2	27.4	33	12.1
URINARY ORGANS (188-189)	13	20.3	5	8.7	2	27.4	24	8.8
LEUKEMIA (204-208)	9	14.1	6	10.5	-	-	26	9.5
BENIGN NEOPLASMS (210-229)	-	-	-	-	-	-	1	.4
IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED NATURE NEOPLASMS (230-239)	2	3.1	1	1.7	-	-	9	3.3
DIABETES MELLITUS (250)	10	15.6	9	15.7	-	-	52	19.0
NUTRITIONAL DEFICIENCIES (260-269)	1	1.6	-	-	-	-	3	1.1
ANEMIAS (280-285)	-	-	1	1.7	-	-	2	.7
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291, 303)	3	4.7	4	7.0	-	-	4	1.5
DRUG DEPENDENCE (304)	-	-	-	-	-	-	-	-
MENINGITIS (302-322)	1	1.6	-	-	-	-	4	1.5
ALZHEIMER'S DISEASE (331)	15	23.4	6	10.5	-	-	40	14.6
PARKINSON'S DISEASE (332)	7	10.9	2	3.5	-	-	20	7.3
EPILEPSY (345)	-	-	-	-	-	-	4	1.5
MAJOR CARDIOVASCULAR DISEASES (390-448)	350	546.9	219	382.2	23	315.1	957	349.7
DISEASES OF THE HEART (390-398, 402, 404-429)	242	378.1	145	253.1	15	205.5	674	246.3
RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE (390-398)	2	3.1	1	1.7	-	-	14	5.1
HYPERTENSIVE HEART DISEASE WITH OR WITHOUT RENAL DISEASE (402,404)	4	6.3	3	5.2	-	-	23	8.4
ISCHEMIC HEART DISEASE (410-414)	182	284.4	108	188.5	10	137.0	479	175.0
MYOCARDIAL INFARCTION (410)	70	109.4	68	118.7	5	68.5	182	66.5
OTHER ACUTE & SUBACUTE (411)	-	-	-	-	-	-	1	.4
CHRONIC ISCHEMIC HEART DISEASE (412-414)	112	175.0	40	69.8	5	68.5	296	108.1
ALL OTHER FORMS (415-429)	54	84.4	33	57.6	5	68.5	158	57.7
HYPERTENSION (401, 403)	5	7.8	6	10.5	-	-	15	5.5
CEREBROVASCULAR DISEASE (430-438)	79	123.4	50	87.3	6	82.2	187	68.3
SUBARACHNOID HEMORRHAGE (430)	-	-	2	3.5	1	13.7	6	2.2
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432)	9	14.1	8	14.0	-	-	29	10.6
CEREBRAL THROMBOSIS & EMBOLISM (434)	5	7.8	5	8.7	-	-	35	12.8
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436)	55	85.9	25	43.6	5	68.5	86	31.4
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437)	6	9.4	4	7.0	-	-	25	9.1
ARTERIOSCLEROSIS (440)	11	17.2	10	17.5	1	13.7	46	16.8
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES (441-448)	13	20.3	8	14.0	1	13.7	35	12.8
VENOUS THROMBOSIS & EMBOLISM (451-453)	3	4.7	1	1.7	-	-	2	.7
PNEUMONIA (480-486)	24	37.5	14	24.4	1	13.7	61	22.3
INFLUENZA (487)	3	4.7	-	-	-	-	3	1.1
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496)	31	48.4	34	59.3	3	41.1	128	46.8
GASTRIC, DUODENAL, OR PEPTIC ULCER (531-533)	3	4.7	-	-	-	-	10	3.7
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560)	1	1.6	2	3.5	-	-	8	2.9
CIRRHOSIS OF THE LIVER (571)	4	6.3	9	15.7	1	13.7	12	4.4
ALCOHOLIC CIRRHOSIS (571.0-571.3)	4	6.3	8	14.0	1	13.7	9	3.3
DISEASES OF THE GALLBLADDER (574-576)	3	4.7	1	1.7	-	-	6	2.2
NEPHRITIS & NEPHROSIS (580-589)	2	3.1	-	-	-	-	7	2.6
INFECTIONS OF THE KIDNEY (590)	-	-	-	-	-	-	2	.7
DISEASES OF MALE GENITAL ORGANS (600-608)	1	1.6	-	-	-	-	1	.4
DISEASES OF THE UTERUS AND OTHER FEMALE GENITAL ORGANS (614-629)	-	-	-	-	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH & THE PUERPERIUM (630-676)	-	-	-	-	-	-	-	-
CONGENITAL ANOMALIES (740-759)	5	7.8	4	7.0	-	-	12	4.4
CERTAIN CAUSES IN EARLY INFANCY (760-779)	2	3.1	1	1.7	-	-	14	5.1
SENILITY (797)	-	-	-	-	-	-	-	-
SUDDEN INFANT DEATH SYNDROME (798.0)	3	4.7	2	3.5	1	13.7	10	3.7
ALL OTHER NATURAL CAUSES	102	159.4	87	151.8	11	150.7	390	142.5
ACCIDENTS (800-949)	23	35.9	38	66.3	5	68.5	116	42.4
MOTOR VEHICLE ACCIDENTS (810-825)	15	23.4	23	40.1	2	27.4	69	25.2
SUICIDES (950-959)	9	14.1	10	17.5	1	13.7	61	22.3
HOMICIDES (960-978)	9	14.1	4	7.0	-	-	11	4.0
INJURIES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED (980-989)	1	1.6	-	-	-	-	-	-

NOTE: - INDICATES QUANTITY EQUALS ZERO.

TABLE 4-21. DEATHS BY SELECTED CAUSES BY COUNTY, OREGON RESIDENTS, 1988, CONTINUED

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	LINCOLN		LINN		MALHEUR		MARION	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	456	1175.3	846	952.7	242	916.7	1,970	899.5
TUBERCULOSIS (010-018, 137)	-	-	-	-	1	3.8	-	-
SEPTICEMIA (038)	4	10.3	1	1.1	1	3.8	6	2.7
AIDS (042-044)	-	-	-	-	1	3.8	5	2.3
MEASLES (055)	-	-	-	-	-	-	1	.5
VIRAL HEPATITIS (070)	1	2.6	-	-	-	-	1	.5
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139)	2	5.2	4	4.5	-	-	6	2.7
MALIGNANT NEOPLASMS (140-208)	117	301.5	215	242.1	60	227.3	423	193.2
BUCCAL CAVITY & PHARYNX (140-149)	4	10.3	1	1.1	-	-	2	.9
DIGESTIVE ORGANS & PERITONEUM (150-159)	28	72.2	50	56.3	15	56.8	94	42.9
LARGE INTESTINE (153)	10	25.8	13	14.6	5	18.9	41	18.7
PANCREAS (157)	6	15.5	15	16.9	5	18.9	12	5.5
RESPIRATORY/INTRATHORACIC ORGANS (160-165)	43	110.8	70	78.8	19	72.0	131	59.8
BRONCHUS AND LUNG (162.2-162.9)	41	105.7	70	78.8	18	68.2	128	58.4
MALIGNANT MELANOMA (172)	2	5.2	1	1.1	2	7.6	2	.9
OTHER SKIN (173)	-	-	1	1.1	1	3.8	3	1.4
BREAST (174-175)	9	23.2	24	27.0	4	15.2	31	14.2
GENITAL ORGANS (179-187)	16	41.2	31	34.9	4	15.2	47	21.5
CERVIX & UTERUS (179-182)	6	15.5	3	3.4	-	-	12	5.5
OVARY (183.0)	5	12.9	6	6.8	1	3.8	10	4.6
PROSTATE (185)	5	12.9	21	23.6	3	11.4	25	11.4
URINARY ORGANS (188-189)	4	10.3	9	10.1	3	11.4	17	7.8
LEUKEMIA (204-208)	2	5.2	8	9.0	6	22.7	18	8.2
BENIGN NEOPLASMS (210-229)	1	2.6	-	-	-	-	1	.5
IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED NATURE NEOPLASMS (230-239)	-	-	1	1.1	1	3.8	5	2.3
DIABETES MELLITUS (250)	8	20.6	17	19.1	7	26.5	36	16.4
NUTRITIONAL DEFICIENCIES (260-269)	-	-	1	1.1	-	-	2	.9
ANEMIAS (280-285)	2	5.2	1	1.1	2	7.6	2	.9
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291, 303)	1	2.6	-	-	-	-	2	.9
DRUG DEPENDENCE (304)	-	-	-	-	-	-	1	.5
MENINGITIS (302-322)	-	-	-	-	2	7.6	1	.5
ALZHEIMER'S DISEASE (331)	5	12.9	15	16.9	-	-	20	9.1
PARKINSON'S DISEASE (332)	1	2.6	5	5.6	1	3.8	12	5.5
EPILEPSY (345)	-	-	2	2.3	1	3.8	-	-
MAJOR CARDIOVASCULAR DISEASES (390-448)	199	512.9	364	409.9	97	367.4	923	421.5
DISEASES OF THE HEART (390-398, 402, 404-429)	161	414.9	285	320.9	77	291.7	680	310.5
RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE (390-398)	3	7.7	1	1.1	2	7.6	1	.5
HYPERTENSIVE HEART DISEASE WITH OR WITHOUT RENAL DISEASE (402,404)	1	2.6	1	1.1	-	-	27	12.3
ISCHEMIC HEART DISEASE (410-414)	135	347.9	221	248.9	60	227.3	506	231.1
MYOCARDIAL INFARCTION (410)	42	108.2	105	118.2	20	75.8	238	108.7
OTHER ACUTE & SUBACUTE (411)	-	-	1	1.1	-	-	-	-
CHRONIC ISCHEMIC HEART DISEASE (412-414)	93	239.7	115	129.5	40	151.5	268	122.4
ALL OTHER FORMS (415-429)	22	56.7	62	69.8	15	56.8	146	66.7
HYPERTENSION (401, 403)	1	2.6	5	5.6	-	-	12	5.5
CEREBROVASCULAR DISEASE (430-438)	25	64.4	53	59.7	18	68.2	185	84.5
SUBARACHNOID HEMORRHAGE (430)	1	2.6	3	3.4	1	3.8	4	1.8
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432)	-	-	9	10.1	2	7.6	25	11.4
CEREBRAL THROMBOSIS & EMBOLISM (434)	1	2.6	5	5.6	4	15.2	42	19.2
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436)	21	54.1	30	33.8	8	30.3	94	42.9
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437)	1	2.6	1	1.1	1	3.8	11	5.0
ARTERIOSCLEROSIS (440)	10	25.8	12	13.5	2	7.6	17	7.8
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES (441-448)	2	5.2	9	10.1	-	-	29	13.2
VENOUS THROMBOSIS & EMBOLISM (451-453)	1	2.6	2	2.3	-	-	-	-
PNEUMONIA (480-486)	12	30.9	24	27.0	12	45.5	58	26.5
INFLUENZA (487)	5	12.9	-	-	2	7.6	3	1.4
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496)	17	43.8	40	45.0	18	68.2	76	34.7
GASTRIC, DUODENAL, OR PEPTIC ULCER (531-533)	3	7.7	-	-	-	-	7	3.2
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560)	1	2.6	1	1.1	1	3.8	3	1.4
CIRRHOSIS OF THE LIVER (571)	4	10.3	5	5.6	4	15.2	29	13.2
ALCOHOLIC CIRRHOSIS (571.0-571.3)	4	10.3	5	5.6	2	7.6	20	9.1
DISEASES OF THE GALLBLADDER (574-576)	2	5.2	4	4.5	-	-	1	.5
NEPHRITIS & NEPHROSIS (580-589)	2	5.2	4	4.5	3	11.4	12	5.5
INFECTIONS OF THE KIDNEY (590)	2	5.2	-	-	-	-	2	.9
DISEASES OF MALE GENITAL ORGANS (600-608)	-	-	1	1.1	-	-	1	.5
DISEASES OF THE UTERUS AND OTHER FEMALE GENITAL ORGANS (614-629)	-	-	-	-	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH & THE PUERPERIUM (630-676)	-	-	-	-	-	-	1	.5
CONGENITAL ANOMALIES (740-759)	2	5.2	2	2.3	-	-	10	4.6
CERTAIN CAUSES IN EARLY INFANCY (760-779)	1	2.6	3	3.4	1	3.8	12	5.5
SENILITY (797)	-	-	-	-	-	-	-	-
SUDDEN INFANT DEATH SYNDROME (798.0)	1	2.6	2	2.3	-	-	12	5.5
ALL OTHER NATURAL CAUSES	62	159.8	129	145.3	27	102.3	295	134.7
ACCIDENTS (800-949)	14	36.1	56	63.1	13	49.2	99	45.2
MOTOR VEHICLE ACCIDENTS (810-825)	7	18.0	32	36.0	7	26.5	61	27.9
SUICIDES (950-959)	9	23.2	7	7.9	6	22.7	45	20.5
HOMICIDES (960-978)	2	5.2	2	2.3	-	-	11	5.0
INJURIES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED (980-989)	1	2.6	1	1.1	-	-	2	.9

NOTE: - INDICATES QUANTITY EQUALS ZERO.

TABLE 4-21. DEATHS BY SELECTED CAUSES BY COUNTY, OREGON RESIDENTS, 1988, CONTINUED

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	MORROW		MULTNOMAH		POLK		SHERMAN	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	54	692.3	5,725	1003.5	406	858.4	19	950.0
TUBERCULOSIS (010-018, 137)	-	-	8	1.4	-	-	-	-
SEPTICEMIA (038)	-	-	25	4.4	1	2.1	-	-
AIDS (042-044)	-	-	81	14.2	1	2.1	-	-
MEASLES (055)	-	-	-	-	-	-	-	-
VIRAL HEPATITIS (070)	-	-	10	1.8	1	2.1	-	-
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139)	1	12.8	18	3.2	-	-	-	-
MALIGNANT NEOPLASMS (140-208)	19	243.6	1,260	220.9	91	192.4	7	350.0
BUCCAL CAVITY & PHARYNX (140-149)	-	-	20	3.5	2	4.2	-	-
DIGESTIVE ORGANS & PERITONEUM (150-159)	3	38.5	287	50.3	23	48.6	4	200.0
LARGE INTESTINE (153)	1	12.8	102	17.9	10	21.1	2	100.0
PANCREAS (157)	-	-	57	10.0	3	6.3	2	100.0
RESPIRATORY/INTRATHORACIC ORGANS (160-165)	6	76.9	374	65.6	23	48.6	1	50.0
BRONCHUS AND LUNG (162.2-162.9)	5	64.1	360	63.1	22	46.5	1	50.0
MALIGNANT MELANOMA (172)	-	-	12	2.1	1	2.1	-	-
OTHER SKIN (173)	-	-	5	.9	-	-	-	-
BREAST (174-175)	6	76.9	120	21.0	12	25.4	-	-
GENITAL ORGANS (179-187)	1	12.8	135	23.7	5	10.6	1	50.0
CERVIX & UTERUS (179-182)	-	-	29	5.1	1	2.1	-	-
OVARY (183.0)	-	-	30	5.3	1	2.1	-	-
PROSTATE (185)	1	12.8	72	12.6	3	6.3	1	50.0
URINARY ORGANS (188-189)	-	-	52	9.1	3	6.3	1	50.0
LEUKEMIA (204-208)	1	12.8	56	9.8	4	8.5	-	-
BENIGN NEOPLASMS (210-229)	-	-	2	.4	-	-	-	-
IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED NATURE NEOPLASMS (230-239)	1	12.8	7	1.2	-	-	-	-
DIABETES MELLITUS (250)	2	25.6	105	18.4	6	12.7	-	-
NUTRITIONAL DEFICIENCIES (260-269)	-	-	5	.9	1	2.1	-	-
ANEMIAS (280-285)	-	-	8	1.4	-	-	-	-
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291, 303)	1	12.8	34	6.0	1	2.1	-	-
DRUG DEPENDENCE (304)	-	-	12	2.1	-	-	-	-
MENINGITIS (302-322)	-	-	1	.2	-	-	-	-
ALZHEIMER'S DISEASE (331)	-	-	46	8.1	2	4.2	-	-
PARKINSON'S DISEASE (332)	-	-	28	4.9	1	2.1	-	-
EPILEPSY (345)	-	-	5	.9	-	-	-	-
MAJOR CARDIOVASCULAR DISEASES (390-448)	16	205.1	2,470	433.0	169	357.3	8	400.0
DISEASES OF THE HEART (390-398, 402, 404-429)	14	179.5	1,791	313.9	112	236.8	6	300.0
RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE (390-398)	-	-	23	4.0	-	-	-	-
HYPERTENSIVE HEART DISEASE WITH OR WITHOUT RENAL DISEASE (402,404)	3	38.5	56	9.8	4	8.5	1	50.0
ISCHEMIC HEART DISEASE (410-414)	10	128.2	1,299	227.7	81	171.2	4	200.0
MYOCARDIAL INFARCTION (410)	4	51.3	459	80.5	33	69.8	2	100.0
OTHER ACUTE & SUBACUTE (411)	-	-	2	.4	-	-	-	-
CHRONIC ISCHEMIC HEART DISEASE (412-414)	6	76.9	838	146.9	48	101.5	2	100.0
ALL OTHER FORMS (415-429)	1	12.8	413	72.4	27	57.1	1	50.0
HYPERTENSION (401, 403)	-	-	22	3.9	1	2.1	-	-
CEREBROVASCULAR DISEASE (430-438)	2	25.6	484	84.8	41	86.7	2	100.0
SUBARACHNOID HEMORRHAGE (430)	-	-	25	4.4	2	4.2	-	-
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432)	1	12.8	54	9.5	9	19.0	-	-
CEREBRAL THROMBOSIS & EMBOLISM (434)	-	-	63	11.0	12	25.4	-	-
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436)	1	12.8	275	48.2	18	38.1	2	100.0
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437)	-	-	39	6.8	-	-	-	-
ARTERIOSCLEROSIS (440)	-	-	102	17.9	9	19.0	-	-
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES (441-448)	-	-	71	12.4	6	12.7	-	-
VENOUS THROMBOSIS & EMBOLISM (451-453)	-	-	5	.9	-	-	-	-
PNEUMONIA (480-486)	3	38.5	231	40.5	14	29.6	-	-
INFLUENZA (487)	-	-	4	.7	1	2.1	-	-
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496)	-	-	260	45.6	22	46.5	1	50.0
GASTRIC, DUODENAL, OR PEPTIC ULCER (531-533)	1	12.8	25	4.4	2	4.2	-	-
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560)	-	-	11	1.9	2	4.2	-	-
CIRRHOSIS OF THE LIVER (571)	1	12.8	85	14.9	7	14.8	2	100.0
ALCOHOLIC CIRRHOSIS (571.0-571.3)	1	12.8	72	12.6	5	10.6	2	100.0
DISEASES OF THE GALLBLADDER (574-576)	-	-	13	2.3	1	2.1	-	-
NEPHRITIS & NEPHROSIS (580-589)	-	-	26	4.6	3	6.3	-	-
INFECTIONS OF THE KIDNEY (590)	-	-	8	1.4	-	-	-	-
DISEASES OF MALE GENITAL ORGANS (600-608)	-	-	3	.5	1	2.1	-	-
DISEASES OF THE UTERUS AND OTHER FEMALE GENITAL ORGANS (614-629)	-	-	1	.2	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH & THE PUERPERIUM (630-676)	-	-	2	.4	-	-	-	-
CONGENITAL ANOMALIES (740-759)	-	-	35	6.1	1	2.1	-	-
CERTAIN CAUSES IN EARLY INFANCY (760-779)	-	-	36	6.3	1	2.1	-	-
SENILITY (797)	-	-	1	.2	-	-	-	-
SUDDEN INFANT DEATH SYNDROME (798.0)	-	-	23	4.0	3	6.3	-	-
ALL OTHER NATURAL CAUSES	9	115.4	823	144.3	73	154.3	1	50.0
ACCIDENTS (800-949)	7	89.7	217	38.0	25	52.9	-	-
MOTOR VEHICLE ACCIDENTS (810-825)	6	76.9	100	17.5	15	31.7	-	-
SUICIDES (950-959)	-	-	100	17.5	11	23.3	-	-
HOMICIDES (960-978)	-	-	51	8.9	4	8.5	-	-
INJURIES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED (980-989)	-	-	24	4.2	-	-	-	-

NOTE: - INDICATES QUANTITY EQUALS ZERO.

TABLE 4-21. DEATHS BY SELECTED CAUSES BY COUNTY, OREGON RESIDENTS, 1988, CONTINUED

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	TILLAMOOK		UMATILLA		UNION		WALLOWA	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	249	1163.6	546	947.9	227	974.2	69	958.3
TUBERCULOSIS (010-018, 137)	1	4.7	-	-	-	-	-	-
SEPTICEMIA (038)	2	9.3	2	3.5	-	-	1	13.9
AIDS (042-044)	-	-	1	1.7	-	-	-	-
MEASLES (055)	-	-	-	-	-	-	-	-
VIRAL HEPATITIS (070)	-	-	-	-	-	-	-	-
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139)	3	14.0	3	5.2	1	4.3	-	-
MALIGNANT NEOPLASMS (140-208)	62	289.7	125	217.0	47	201.7	18	250.0
BUCCAL CAVITY & PHARYNX (140-149)	-	-	1	1.7	-	-	-	-
DIGESTIVE ORGANS & PERITONEUM (150-159)	10	46.7	24	41.7	14	60.1	5	69.4
LARGE INTESTINE (153)	6	28.0	10	17.4	3	12.9	1	13.9
PANCREAS (157)	1	4.7	3	5.2	3	12.9	3	41.7
RESPIRATORY/INTRATHORACIC ORGANS (160-165)	27	126.2	41	71.2	6	25.8	3	41.7
BRONCHUS AND LUNG (162.2-162.9)	25	116.8	39	67.7	6	25.8	3	41.7
MALIGNANT MELANOMA (172)	-	-	-	-	-	-	-	-
OTHER SKIN (173)	-	-	-	-	1	4.3	-	-
BREAST (174-175)	6	28.0	13	22.6	3	12.9	1	13.9
GENITAL ORGANS (179-187)	3	14.0	12	20.8	4	17.2	1	13.9
CERVIX & UTERUS (179-182)	1	4.7	2	3.5	1	4.3	-	-
OVARY (183.0)	-	-	1	1.7	2	8.6	-	-
PROSTATE (185)	2	9.3	9	15.6	1	4.3	1	13.9
URINARY ORGANS (188-189)	1	4.7	7	12.2	4	17.2	2	27.8
LEUKEMIA (204-208)	3	14.0	6	10.4	7	30.0	2	27.8
BENIGN NEOPLASMS (210-229)	-	-	-	-	-	-	-	-
IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED NATURE NEOPLASMS (230-239)	-	-	1	1.7	1	4.3	-	-
DIABETES MELLITUS (250)	5	23.4	10	17.4	2	8.6	-	-
NUTRITIONAL DEFICIENCIES (260-269)	-	-	2	3.5	-	-	-	-
ANEMIAS (280-285)	-	-	1	1.7	1	4.3	1	13.9
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291, 303)	1	4.7	3	5.2	1	4.3	1	13.9
DRUG DEPENDENCE (304)	-	-	-	-	-	-	-	-
MENINGITIS (302-322)	1	4.7	-	-	-	-	-	-
ALZHEIMER'S DISEASE (331)	3	14.0	4	6.9	2	8.6	-	-
PARKINSON'S DISEASE (332)	1	4.7	1	1.7	3	12.9	-	-
EPILEPSY (345)	-	-	-	-	-	-	-	-
MAJOR CARDIOVASCULAR DISEASES (390-448)	110	514.0	230	399.3	96	412.0	27	375.0
DISEASES OF THE HEART (390-398, 402, 404-429)	83	387.9	170	295.1	74	317.6	21	291.7
RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE (390-398)	2	9.3	4	6.9	1	4.3	-	-
HYPERTENSIVE HEART DISEASE WITH OR WITHOUT RENAL DISEASE (402,404)	1	4.7	6	10.4	1	4.3	-	-
ISCHEMIC HEART DISEASE (410-414)	58	271.0	129	224.0	50	214.6	15	208.3
MYOCARDIAL INFARCTION (410)	21	98.1	35	60.8	27	115.9	2	27.8
OTHER ACUTE & SUBACUTE (411)	-	-	-	-	-	-	-	-
CHRONIC ISCHEMIC HEART DISEASE (412-414)	37	172.9	94	163.2	23	98.7	13	180.6
ALL OTHER FORMS (415-429)	22	102.8	31	53.8	22	94.4	6	83.3
HYPERTENSION (401, 403)	-	-	5	8.7	1	4.3	1	13.9
CEREBROVASCULAR DISEASE (430-438)	21	98.1	45	78.1	17	73.0	4	55.6
SUBARACHNOID HEMORRHAGE (430)	-	-	1	1.7	-	-	-	-
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432)	5	23.4	3	5.2	2	8.6	1	13.9
CEREBRAL THROMBOSIS & EMBOLISM (434)	1	4.7	3	5.2	3	12.9	-	-
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436)	10	46.7	33	57.3	9	38.6	2	27.8
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437)	2	9.3	1	1.7	2	8.6	1	13.9
ARTERIOSCLEROSIS (440)	5	23.4	2	3.5	-	-	-	-
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES (441-448)	1	4.7	8	13.9	4	17.2	1	13.9
VENOUS THROMBOSIS & EMBOLISM (451-453)	-	-	-	-	-	-	-	-
PNEUMONIA (480-486)	5	23.4	23	39.9	11	47.2	8	111.1
INFLUENZA (487)	-	-	3	5.2	1	4.3	-	-
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496)	12	56.1	27	46.9	17	73.0	2	27.8
GASTRIC, DUODENAL, OR PEPTIC ULCER (531-533)	1	4.7	1	1.7	-	-	-	-
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560)	-	-	-	-	1	4.3	-	-
CIRRHOSIS OF THE LIVER (571)	3	14.0	7	12.2	1	4.3	-	-
ALCOHOLIC CIRRHOSIS (571.0-571.3)	3	14.0	6	10.4	-	-	-	-
DISEASES OF THE GALLBLADDER (574-576)	-	-	2	3.5	1	4.3	1	13.9
NEPHRITIS & NEPHROSIS (580-589)	1	4.7	4	6.9	2	8.6	-	-
INFECTIONS OF THE KIDNEY (590)	-	-	-	-	-	-	-	-
DISEASES OF MALE GENITAL ORGANS (600-608)	-	-	-	-	-	-	-	-
DISEASES OF THE UTERUS AND OTHER FEMALE GENITAL ORGANS (614-629)	-	-	-	-	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH & THE PUERPERIUM (630-676)	-	-	-	-	-	-	-	-
CONGENITAL ANOMALIES (740-759)	1	4.7	3	5.2	2	8.6	-	-
CERTAIN CAUSES IN EARLY INFANCY (760-779)	-	-	2	3.5	-	-	-	-
SENILITY (797)	-	-	-	-	-	-	-	-
SUDDEN INFANT DEATH SYNDROME (798.0)	-	-	2	3.5	-	-	-	-
ALL OTHER NATURAL CAUSES	37	172.9	89	154.5	37	158.8	10	138.9
ACCIDENTS (800-949)	11	51.4	20	34.7	9	38.6	1	13.9
MOTOR VEHICLE ACCIDENTS (810-825)	6	28.0	11	19.1	4	17.2	1	13.9
SUICIDES (950-959)	2	9.3	11	19.1	7	30.0	6	83.3
HOMICIDES (960-978)	-	-	2	3.5	-	-	-	-
INJURIES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED (980-989)	-	-	-	-	-	-	-	-

NOTE: - INDICATES QUANTITY EQUALS ZERO.

TABLE 4-21. DEATHS BY SELECTED CAUSES BY COUNTY, OREGON RESIDENTS, 1988, CONTINUED

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	WASCO		WASHINGTON		WHEELER		YAMHILL	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	212	1029.1	1,825	635.9	9	666.7	539	901.3
TUBERCULOSIS (010-018, 137)	-	-	-	-	-	-	1	1.7
SEPTICEMIA (038)	-	-	15	5.2	-	-	9	15.1
AIDS (042-044)	-	-	4	1.4	-	-	1	1.7
MEASLES (055)	-	-	-	-	-	-	-	-
VIRAL HEPATITIS (070)	-	-	3	1.0	-	-	1	1.7
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139)	-	-	11	3.8	-	-	2	3.3
MALIGNANT NEOPLASMS (140-208)	57	276.7	449	156.4	4	296.3	132	220.7
BUCCAL CAVITY & PHARYNX (140-149)	4	19.4	3	1.0	-	-	3	5.0
DIGESTIVE ORGANS & PERITONEUM (150-159)	9	43.7	110	38.3	1	74.1	27	45.2
LARGE INTESTINE (153)	3	14.6	42	14.6	-	-	11	18.4
PANCREAS (157)	3	14.6	30	10.5	-	-	4	6.7
RESPIRATORY/INTRATHORACIC ORGANS (160-165)	16	77.7	121	42.2	2	148.1	42	70.2
BRONCHUS AND LUNG (162.2-162.9)	16	77.7	118	41.1	2	148.1	42	70.2
MALIGNANT MELANOMA (172)	1	4.9	7	2.4	-	-	2	3.3
OTHER SKIN (173)	-	-	1	.3	-	-	-	-
BREAST (174-175)	2	9.7	49	17.1	-	-	10	16.7
GENITAL ORGANS (179-187)	3	14.6	54	18.8	-	-	17	28.4
CERVIX & UTERUS (179-182)	-	-	11	3.8	-	-	6	10.0
OVARY (183.0)	2	9.7	8	2.8	-	-	2	3.3
PROSTATE (185)	1	4.9	31	10.8	-	-	8	13.4
URINARY ORGANS (188-189)	5	24.3	12	4.2	1	74.1	2	3.3
LEUKEMIA (204-208)	3	14.6	17	5.9	-	-	4	6.7
BENIGN NEOPLASMS (210-229)	-	-	-	-	-	-	-	-
IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED NATURE NEOPLASMS (230-239)	-	-	5	1.7	-	-	1	1.7
DIABETES MELLITUS (250)	2	9.7	35	12.2	-	-	8	13.4
NUTRITIONAL DEFICIENCIES (260-269)	-	-	1	.3	-	-	-	-
ANEMIAS (280-285)	-	-	4	1.4	-	-	-	-
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291, 303)	1	4.9	4	1.4	-	-	1	1.7
DRUG DEPENDENCE (304)	-	-	1	.3	-	-	-	-
MENINGITIS (302-322)	-	-	2	.7	-	-	-	-
ALZHEIMER'S DISEASE (331)	4	19.4	21	7.3	-	-	6	10.0
PARKINSON'S DISEASE (332)	-	-	11	3.8	-	-	1	1.7
EPILEPSY (345)	-	-	5	1.7	-	-	1	1.7
MAJOR CARDIOVASCULAR DISEASES (390-448)	91	441.7	775	270.0	3	222.2	219	366.2
DISEASES OF THE HEART (390-398, 402, 404-429)	74	359.2	575	200.3	3	222.2	156	260.9
RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE (390-398)	1	4.9	8	2.8	-	-	1	1.7
HYPERTENSIVE HEART DISEASE WITH OR WITHOUT RENAL DISEASE (402,404)	1	4.9	17	5.9	-	-	3	5.0
ISCHEMIC HEART DISEASE (410-414)	58	281.6	425	148.1	3	222.2	127	212.4
MYOCARDIAL INFARCTION (410)	27	131.1	152	53.0	2	148.1	49	81.9
OTHER ACUTE & SUBACUTE (411)	-	-	1	.3	-	-	-	-
CHRONIC ISCHEMIC HEART DISEASE (412-414)	31	150.5	272	94.8	1	74.1	78	130.4
ALL OTHER FORMS (415-429)	14	68.0	125	43.6	-	-	25	41.8
HYPERTENSION (401, 403)	1	4.9	7	2.4	-	-	4	6.7
CEREBROVASCULAR DISEASE (430-438)	15	72.8	146	50.9	-	-	50	83.6
SUBARACHNOID HEMORRHAGE (430)	2	9.7	13	4.5	-	-	-	-
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432)	-	-	18	6.3	-	-	6	10.0
CEREBRAL THROMBOSIS & EMBOLISM (434)	1	4.9	18	6.3	-	-	8	13.4
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436)	11	53.4	78	27.2	-	-	28	46.8
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437)	-	-	9	3.1	-	-	7	11.7
ARTERIOSCLEROSIS (440)	-	-	30	10.5	-	-	3	5.0
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES (441-448)	1	4.9	17	5.9	-	-	6	10.0
VENOUS THROMBOSIS & EMBOLISM (451-453)	-	-	-	-	-	-	-	-
PNEUMONIA (480-486)	15	72.8	59	20.6	1	74.1	14	23.4
INFLUENZA (487)	1	4.9	3	1.0	-	-	-	-
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496)	12	58.3	80	27.9	-	-	25	41.8
GASTRIC, DUODENAL, OR PEPTIC ULCER (531-533)	1	4.9	9	3.1	-	-	2	3.3
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560)	2	9.7	5	1.7	-	-	2	3.3
CIRRHOSIS OF THE LIVER (571)	2	9.7	15	5.2	1	74.1	5	8.4
ALCOHOLIC CIRRHOSIS (571.0-571.3)	1	4.9	9	3.1	1	74.1	3	5.0
DISEASES OF THE GALLBLADDER (574-576)	-	-	4	1.4	-	-	-	-
NEPHRITIS & NEPHROSIS (580-589)	1	4.9	8	2.8	-	-	2	3.3
INFECTIONS OF THE KIDNEY (590)	-	-	4	1.4	-	-	-	-
DISEASES OF MALE GENITAL ORGANS (600-608)	-	-	-	-	-	-	-	-
DISEASES OF THE UTERUS AND OTHER FEMALE GENITAL ORGANS (614-629)	-	-	-	-	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH & THE PUERPERIUM (630-676)	-	-	-	-	-	-	-	-
CONGENITAL ANOMALIES (740-759)	1	4.9	13	4.5	-	-	4	6.7
CERTAIN CAUSES IN EARLY INFANCY (760-779)	-	-	16	5.6	-	-	3	5.0
SENILITY (797)	-	-	2	.7	-	-	-	-
SUDDEN INFANT DEATH SYNDROME (798.0)	-	-	6	2.1	-	-	5	8.4
ALL OTHER NATURAL CAUSES	22	106.8	255	88.9	-	-	93	155.5
ACCIDENTS (800-949)	6	29.1	85	29.6	-	-	29	48.5
MOTOR VEHICLE ACCIDENTS (810-825)	5	24.3	50	17.4	-	-	21	35.1
SUICIDES (950-959)	3	14.6	40	13.9	-	-	6	10.0
HOMICIDES (960-978)	-	-	5	1.7	-	-	7	11.7
INJURIES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED (980-989)	-	-	-	-	-	-	-	-

NOTE: - INDICATES QUANTITY EQUALS ZERO.

TABLE 4-22. DEATHS BY SELECTED CAUSES BY RACE, OREGON RESIDENTS, 1988

SELECTED CAUSES OF DEATH	OREGON	RACE						
		WHITE	AFRICAN AMERICAN	INDIAN	CHINESE	JAPANESE	OTHER ASIAN & PACIFIC ISLANDERS	OTHER & NOT STATED
TOTAL	24,557	23,849	348	177	52	40	57	34
TUBERCULOSIS (010-018, 137)	16	12	1	2	-	1	-	-
SEPTICEMIA (038)	104	100	2	1	-	1	-	-
AIDS (042-044)	114	112	1	1	-	-	-	-
MEASLES (055)	1	1	-	-	-	-	-	-
VIRAL HEPATITIS (070)	33	30	1	1	-	-	1	-
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139)	83	81	-	2	-	-	-	-
MALIGNANT NEOPLASMS (140-208)	5,801	5,645	80	31	14	13	13	5
BUCCAL CAVITY & PHARYNX (140-149)	80	80	-	-	-	-	-	-
DIGESTIVE ORGANS & PERITONEUM (150-159)	1,333	1,282	21	7	8	5	8	2
LARGE INTESTINE (153)	496	481	5	5	3	1	-	1
PANCREAS (157)	302	293	3	1	1	2	2	-
RESPIRATORY/INTRATHORACIC ORGANS (160-165)	1,710	1,663	25	13	2	3	3	1
BRONCHUS AND LUNG (162.2-162.9)	1,654	1,608	24	13	2	3	3	1
MALIGNANT MELANOMA (172)	71	71	-	-	-	-	-	-
OTHER SKIN (173)	22	20	-	1	1	-	-	-
BREAST (174-175)	504	490	10	3	-	1	-	-
GENITAL ORGANS (179-187)	669	657	8	2	1	1	-	-
CERVIX & UTERUS (179-182)	121	118	1	1	-	1	-	-
OVARY (183.0)	148	145	3	-	-	-	-	-
PROSTATE (185)	379	373	4	1	1	-	-	-
URINARY ORGANS (188-189)	239	236	2	-	-	1	-	-
LEUKEMIA (204-208)	253	246	5	1	-	-	1	-
BENIGN NEOPLASMS (210-229)	10	10	-	-	-	-	-	-
IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED NATURE NEOPLASMS (230-239)	48	48	-	-	-	-	-	-
DIABETES MELLITUS (250)	439	421	10	4	1	2	1	-
NUTRITIONAL DEFICIENCIES (260-269)	24	21	1	1	-	-	1	-
ANEMIAS (280-285)	34	32	2	-	-	-	-	-
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291, 303)	86	78	3	4	-	-	1	-
DRUG DEPENDENCE (304)	18	16	2	-	-	-	-	-
MENINGITIS (302-322)	13	12	-	-	1	-	-	-
ALZHEIMER'S DISEASE (331)	261	259	-	-	-	1	1	-
PARKINSON'S DISEASE (332)	131	128	1	-	1	1	-	-
EPILEPSY (345)	27	26	1	-	-	-	-	-
MAJOR CARDIOVASCULAR DISEASES (390-448)	10,476	10,259	119	51	19	8	11	9
DISEASES OF THE HEART (390-398, 402, 404-429)	7,672	7,519	80	39	17	5	5	7
RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE (390-398)	86	85	-	-	1	-	-	-
HYPERTENSIVE HEART DISEASE WITH OR WITHOUT RENAL DISEASE (402,404)	214	204	5	1	3	1	-	-
ISCHEMIC HEART DISEASE (410-414)	5,695	5,594	54	26	9	4	5	3
MYOCARDIAL INFARCTION (410)	2,175	2,142	20	7	3	1	2	-
OTHER ACUTE & SUBACUTE (411)	6	5	-	-	-	-	1	-
CHRONIC ISCHEMIC HEART DISEASE (412-414)	3,514	3,447	34	19	6	3	2	3
ALL OTHER FORMS (415-429)	1,677	1,636	21	12	4	-	-	4
HYPERTENSION (401, 403)	112	104	7	-	-	-	1	-
CEREBROVASCULAR DISEASE (430-438)	2,010	1,964	28	9	2	3	3	1
SUBARACHNOID HEMORRHAGE (430)	100	96	1	3	-	-	-	-
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432)	240	233	4	1	1	-	1	-
CEREBRAL THROMBOSIS & EMBOLISM (434)	273	265	4	2	-	-	2	-
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436)	1,134	1,110	17	2	1	3	-	1
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437)	151	150	-	1	-	-	-	-
ARTERIOSCLEROSIS (440)	378	371	2	3	-	-	1	1
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES (441-448)	304	301	2	-	-	-	1	-
VENOUS THROMBOSIS & EMBOLISM (451-453)	23	23	-	-	-	-	-	-
PNEUMONIA (480-486)	856	837	9	3	1	3	2	1
INFLUENZA (487)	44	44	-	-	-	-	-	-
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496)	1,203	1,187	10	3	1	1	1	-
GASTRIC, DUODENAL, OR PEPTIC ULCER (531-533)	91	85	1	2	2	-	1	-
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560)	51	51	-	-	-	-	-	-
CIRRHOSIS OF THE LIVER (571)	289	266	8	14	-	-	-	1
ALCOHOLIC CIRRHOSIS (571.0-571.3)	232	213	7	11	-	-	-	1
DISEASES OF THE GALLBLADDER (574-576)	56	55	-	-	1	-	-	-
NEPHRITIS & NEPHROSIS (580-589)	108	103	3	-	1	-	1	-
INFECTIONS OF THE KIDNEY (590)	22	22	-	-	-	-	-	-
DISEASES OF MALE GENITAL ORGANS (600-608)	8	8	-	-	-	-	-	-
DISEASES OF THE UTERUS AND OTHER FEMALE GENITAL ORGANS (614-629)	1	1	-	-	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH & THE PUERPERIUM (630-676)	3	2	-	-	-	-	1	-
CONGENITAL ANOMALIES (740-759)	133	124	4	1	-	-	1	3
CERTAIN CAUSES IN EARLY INFANCY (760-779)	128	119	5	1	-	-	2	1
SENILITY (797)	5	4	-	1	-	-	-	-
SUDDEN INFANT DEATH SYNDROME (798.0)	99	91	5	3	-	-	-	-
ALL OTHER NATURAL CAUSES	3,695	3,513	79	51	10	9	19	14
ACCIDENTS (800-949)	1,190	1,117	24	26	5	4	8	6
MOTOR VEHICLE ACCIDENTS (810-825)	668	630	9	13	2	3	6	5
SUICIDES (950-959)	461	439	7	9	1	-	4	1
HOMICIDES (960-978)	152	126	15	7	-	-	3	1
INJURIES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED (980-989)	41	33	5	-	-	-	-	3

NOTE: - INDICATES QUANTITY IS ZERO.
DECEDENTS OF HISPANIC ETHNICITY ARE CATEGORIZED ACCORDING TO THEIR RACE. NEARLY ALL ARE WHITE.
OTHER NON-WHITE INCLUDES GROUPS IN WHICH THE STATE TOTAL IS LESS THAN 20 (I.E. HAWAIIAN, FILIPINO).

TABLE 4-23. YEARS OF POTENTIAL LIFE LOST BY CAUSE, OREGON RESIDENTS, 1988

SELECTED CAUSES OF DEATH	BEFORE AGE 65			BEFORE AGE 70			BEFORE AGE 75		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
TOTAL	119,534	76,873	42,661	156,726	99,973	56,753	205,836	130534	75,302
TUBERCULOSIS (010-018, 137)	79	76	3	108	93	15	149	119	30
SEPTICEMIA (038)	225	122	103	332	185	147	478	270	208
AIDS (042-044)	3,076	3,076	0	3,630	3,630	0	4,194	4,189	5
MEASLES (055)	36	36	-	41	41	-	46	46	-
VIRAL HEPATITIS (070)	349	189	160	453	250	203	578	328	250
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139)	612	363	249	778	474	304	960	600	360
MALIGNANT NEOPLASMS (140-208)	18,839	8,460	10,379	29,865	13,939	15,926	45,578	22,035	23,543
BUCCAL CAVITY & PHARYNX (140-149)	203	111	92	392	220	172	671	376	295
DIGESTIVE ORGANS & PERITONEUM (150-159)	3,141	1,726	1,415	5,273	3,002	2,271	8,387	4,875	3,512
LARGE INTESTINE (153)	908	534	374	1,640	968	672	2,724	1,609	1,115
PANCREAS (157)	945	444	501	1,482	735	747	2,251	1,176	1,075
RESPIRATORY/INTRATHORACIC ORGANS (160-165)	4,482	2,777	1,705	8,177	5,020	3,157	13,593	8,304	5,289
BRONCHUS AND LUNG (162.2-162.9)	4,230	2,583	1,647	7,802	4,731	3,071	13,049	7,890	5,159
MALIGNANT MELANOMA (172)	673	304	369	900	435	465	1,153	581	572
OTHER SKIN (173)	80	72	8	139	111	28	209	156	53
BREAST (174-175)	2,759	29	2,730	4,053	43	4,010	5,671	60	5,611
GENITAL ORGANS (179-187)	1,336	286	1,050	2,252	585	1,667	3,650	1,156	2,494
CERVIX & UTERUS (179-182)	508	-	508	756	-	756	1,092	-	1,092
OVARY (183.0)	528	-	528	873	-	873	1,339	-	1,339
PROSTATE (185)	113	113	-	372	372	-	901	901	-
URINARY ORGANS (188-189)	373	242	131	656	453	203	1,144	819	325
LEUKEMIA (204-208)	1,737	805	932	2,198	1,059	1,139	2,818	1,410	1,408
BENIGN NEOPLASMS (210-229)	50	50	0	74	74	0	101	101	0
IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED NATURE NEOPLASMS (230-239)	116	56	60	169	92	77	253	148	105
DIABETES MELLITUS (250)	1,631	1,006	625	2,321	1,367	954	3,320	1,884	1,436
NUTRITIONAL DEFICIENCIES (260-269)	65	0	65	74	4	70	84	13	71
ANEMIAS (280-285)	187	119	68	227	144	83	263	169	94
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291, 303)	677	502	175	956	720	236	1,290	983	307
DRUG DEPENDENCE (304)	514	421	93	599	491	108	684	561	123
MENINGITIS (302-322)	274	148	126	304	163	141	344	186	158
ALZHEIMER'S DISEASE (331)	5	0	5	30	12	18	128	55	73
PARKINSON'S DISEASE (332)	24	2	22	68	19	49	165	67	98
EPILEPSY (345)	443	280	163	530	335	195	628	398	230
MAJOR CARDIOVASCULAR DISEASES (390-448)	14,740	10,598	4,143	24,532	17,343	7,190	39,926	27,661	12,265
DISEASES OF THE HEART (390-398, 402, 404-429)	12,256	9,072	3,185	20,481	14,943	5,539	33,127	23,763	9,364
RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE (390-398)	207	52	155	334	105	229	533	182	351
HYPERTENSIVE HEART DISEASE WITH OR WITHOUT RENAL DISEASE (402,404)	146	98	48	287	181	106	537	315	222
ISCHEMIC HEART DISEASE (410-414)	8,397	6,447	1,950	14,730	11,124	3,606	24,523	18,207	6,316
MYOCARDIAL INFARCTION (410)	3,370	2,519	851	6,068	4,477	1,591	10,326	7,489	2,837
OTHER ACUTE & SUBACUTE (411)	0	0	0	6	6	0	21	21	0
CHRONIC ISCHEMIC HEART DISEASE (412-414)	5,027	3,928	1,099	8,656	6,641	2,015	14,176	10,697	3,479
ALL OTHER FORMS (415-429)	3,506	2,475	1,032	5,130	3,533	1,598	7,534	5,059	2,475

See footnotes at end of table.

TABLE 4-23. YEARS OF POTENTIAL LIFE LOST BY CAUSE, OREGON RESIDENTS, 1988-Continued

SELECTED CAUSES OF DEATH	BEFORE AGE 65			BEFORE AGE 70			BEFORE AGE 75		
	Total	MALE	FEMALE	Total	MALE	FEMALE	Total	MALE	FEMALE
HYPERTENSION (401, 403)	141	115	26	231	168	63	364	236	128
CEREBROVASCULAR DISEASE (430-438)	1,783	975	808	2,860	1,519	1,341	4,758	2,457	2,301
SUBARACHNOID HEMORRHAGE (430)	789	323	466	1,072	414	658	1,405	525	880
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432)	529	370	159	783	521	262	1,176	748	428
CEREBRAL THROMBOSIS & EMBOLISM (434)	96	49	47	215	122	93	436	245	191
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436)	224	146	78	552	325	227	1,330	715	615
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437)	92	35	57	139	53	86	229	85	144
ARTERIOSCLEROSIS (440)	99	42	57	192	98	94	428	233	195
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES (441-448)	461	394	67	768	615	153	1,249	972	277
VENOUS THROMBOSIS & EMBOLISM (451-453)	106	35	71	151	45	106	212	64	148
PNEUMONIA (480-486)	1,013	612	401	1,389	846	543	2,063	1,272	791
INFLUENZA (487)	207	116	91	242	139	103	293	164	129
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496)	1,197	624	573	2,505	1,346	1,159	4,833	2,673	2,160
GASTRIC, DUODENAL, OR PEPTIC ULCER (531-533)	64	47	17	150	112	38	312	225	87
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560)	63	37	26	109	62	47	177	96	81
CIRRHOSIS OF THE LIVER (571)	1,857	1,155	702	2,763	1,739	1,024	3,865	2,448	1,417
ALCOHOLIC CIRRHOSIS (571.0-571.3)	1,667	1,107	560	2,460	1,656	804	3,412	2,314	1,098
DISEASES OF THE GALLBLADDER (574-576)	76	17	59	105	23	82	154	42	112
NEPHRITIS & NEPHROSIS (580-589)	337	167	170	457	237	220	605	320	285
INFECTIONS OF THE KIDNEY (590)	22	10	12	33	15	18	54	23	31
DISEASES OF MALE GENITAL ORGANS (600-608)	7	7	-	12	12	-	17	17	-
DISEASES OF THE UTERUS AND OTHER FEMALE GENITAL ORGANS (614-629)	0	-	0	0	-	0	0	-	0
COMPLICATIONS OF PREGNANCY, CHILDBIRTH & THE PUERPERIUM (630-676)	112	-	112	127	-	127	142	-	142
CONGENITAL ANOMALIES (740-759)	6,403	3,290	3,113	6,995	3,585	3,410	7,092	3,685	3,407
CERTAIN CAUSES IN EARLY INFANCY (760-779)	8,310	4,157	4,153	8,950	4,477	4,473	8,574	4,328	4,246
SENILITY (797)	0	0	0	0	0	0	0	0	0
SUDDEN INFANT DEATH SYNDROME (798.0)	6,387	4,000	2,387	6,882	4,310	2,572	7,114	4,448	2,666
ALL OTHER NATURAL CAUSES	51,341	37,059	14,282	60,641	43,597	17,044	70,981	50,841	20,140
ACCIDENTS (800-949)	29,720	22,243	7,477	34,141	25,557	8,584	38,793	29,037	9,756
MOTOR VEHICLE ACCIDENTS (810-825)	20,156	14,293	5,863	23,008	16,334	6,674	25,971	18,445	7,526
SUICIDES (950-959)	9,745	7,730	2,015	11,603	9,158	2,445	13,564	10,670	2,894
HOMICIDES (960-978)	4,331	3,120	1,211	5,016	3,624	1,392	5,729	4,150	1,579
INJURIES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED (980-989)	1,176	750	426	1,370	879	491	1,536	1,009	527

NOTE: - INDICATES QUANTITY IS ZERO.

Table 4-24. Years of Potential Life Lost by Year and Cause Before Age 70, Oregon Residents, 1980-1988

Year	Total	Heart Disease	Cancer	Cerebro-vascular Disease	Respir-atory Disease	Uninten-tional Injuries	Influenza and Pneumonia	Arterio-sclerosis
1980	177,744	24,979	30,186	3,671	2,694	40,563	1,139	206
1981	169,568	23,560	30,272	3,373	2,567	39,228	1,156	442
1982	158,450	23,058	29,228	3,155	2,524	33,204	1,337	488
1983	156,481	22,927	28,938	3,250	2,712	35,094	1,118	274
1984	159,495	22,301	31,543	3,344	2,548	35,585	1,541	294
1985	155,495	21,580	29,494	3,278	2,698	34,778	1,109	253
1986	156,352	20,737	28,440	2,725	2,824	34,473	1,352	358
1987	158,289	21,131	29,831	2,908	2,515	34,581	1,065	304
1988	156,664	20,367	29,864	2,860	2,505	34,114	1,631	378

Year	Suicide	Diabetes	Alcoholism	Homicide*	Congenital Anomalies	SIDS	Early Infancy	Undeter-mined External Causes	AIDS
1980	10,980	1,791	4,114	5,306	9,920	9,176	15,236	1,833	0
1981	10,657	1,416	4,615	4,331	8,892	8,134	14,969	2,250	0
1982	9,978	1,538	3,087	5,096	9,962	7,162	11,669	1,886	0
1983	10,443	1,843	3,951	4,219	8,721	6,744	10,349	1,807	73
1984	10,177	1,426	3,781	4,703	8,416	7,577	9,467	2,012	233
1985	10,462	1,838	3,439	4,082	8,743	7,443	9,438	1,959	769
1986	11,238	1,569	3,746	6,186	7,512	8,411	8,305	2,229	2,290
1987	9,741	1,863	3,544	5,821	7,905	7,996	11,188	2,053	2,514
1988	11,603	2,321	3,544	5,016	6,994	6,882	8,949	1,336	3,630

* Includes legal intervention

Table 4-25. Median Age at Death by Year and Cause, Oregon Residents, 1980-1988

Year	Heart Disease	Cancer	Cerebrovascular Disease	Respiratory Disease	Unintentional Injuries	Influenza and Pneumonia	Arteriosclerosis
1980	76	69	81	72	34	84	86
1981	76	69	81	73	34	84	84
1982	77	70	82	73	33	85	84
1983	77	70	81	73	35	84	86
1984	77	70	81	74	34	84	85
1985	78	71	81	74	36	85	86
1986	78	71	82	74	38	84	86
1987	78	71	82	74	37	84	85
1988	78	71	82	75	37	84	86

Year	Suicide	Diabetes	Alcoholism	Homicide*	Undetermined External Causes	AIDS
1980	37	73	60	29	35	0
1981	41	74	59	28	31	0
1982	42	71	62	30	38	0
1983	43	73	60	32	34	34
1984	45	75	62	32	33	31
1985	43	73	62	35	35	34
1986	42	74	61	33	32	35
1987	43	72	60	32	30	35
1988	42	74	62	32	35	35

* Includes legal intervention

MARRIAGE & DIVORCE

Marriage and Divorce

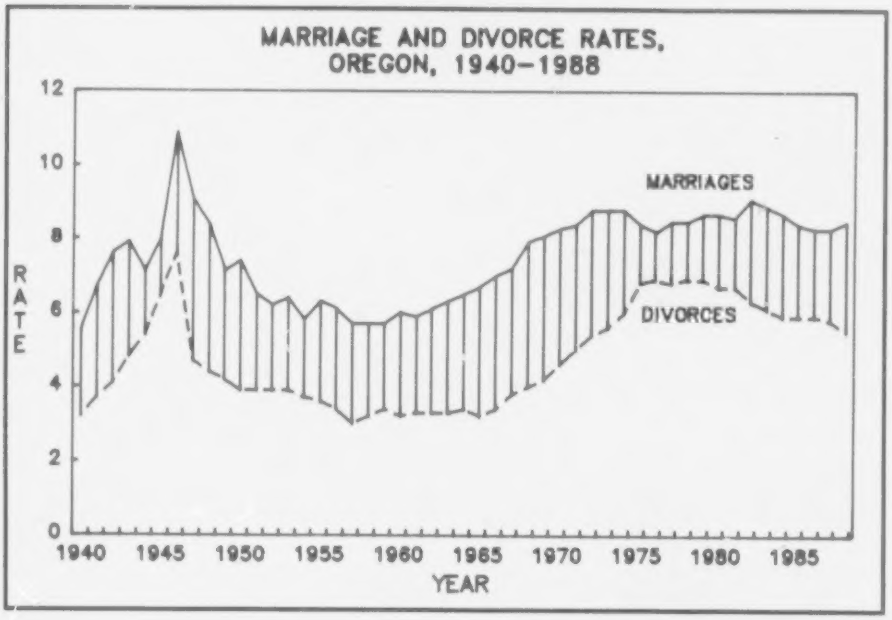
MARRIAGES INCREASE, DIVORCES DECREASE. During the last quarter-century the annual marriage rate increased steadily from the early 1960s to the early 1970s, and after reaching a plateau, a slight decrease occurred in 1975 and 1976. From 1977 to the present the marriage rate has fluctuated slightly. In 1988, the marriage rate (8.5) was the same as it was in 1978. Last year, 23,405 couples were married in Oregon, a 5.0 percent increase from the previous year but a 3.2 percent decline since the 1982 record high of 24,186. However, the highest rate (10.9) was recorded in 1946 (Figure 5-1).

The number of divorces fell slightly in 1988, to 15,187 compared to 15,602 in 1987. Except for two years, divorces have declined annually since the 1980 high of 17,762.

Oregon's marriage rates are consistently lower than the nation's, while our divorce rates are consistently higher. Figure 5-1 illustrates the ratio of divorces to marriages for Oregon and the U.S. since 1975. Oregon's higher ratio could be affected by Oregon residents marrying outside the state.

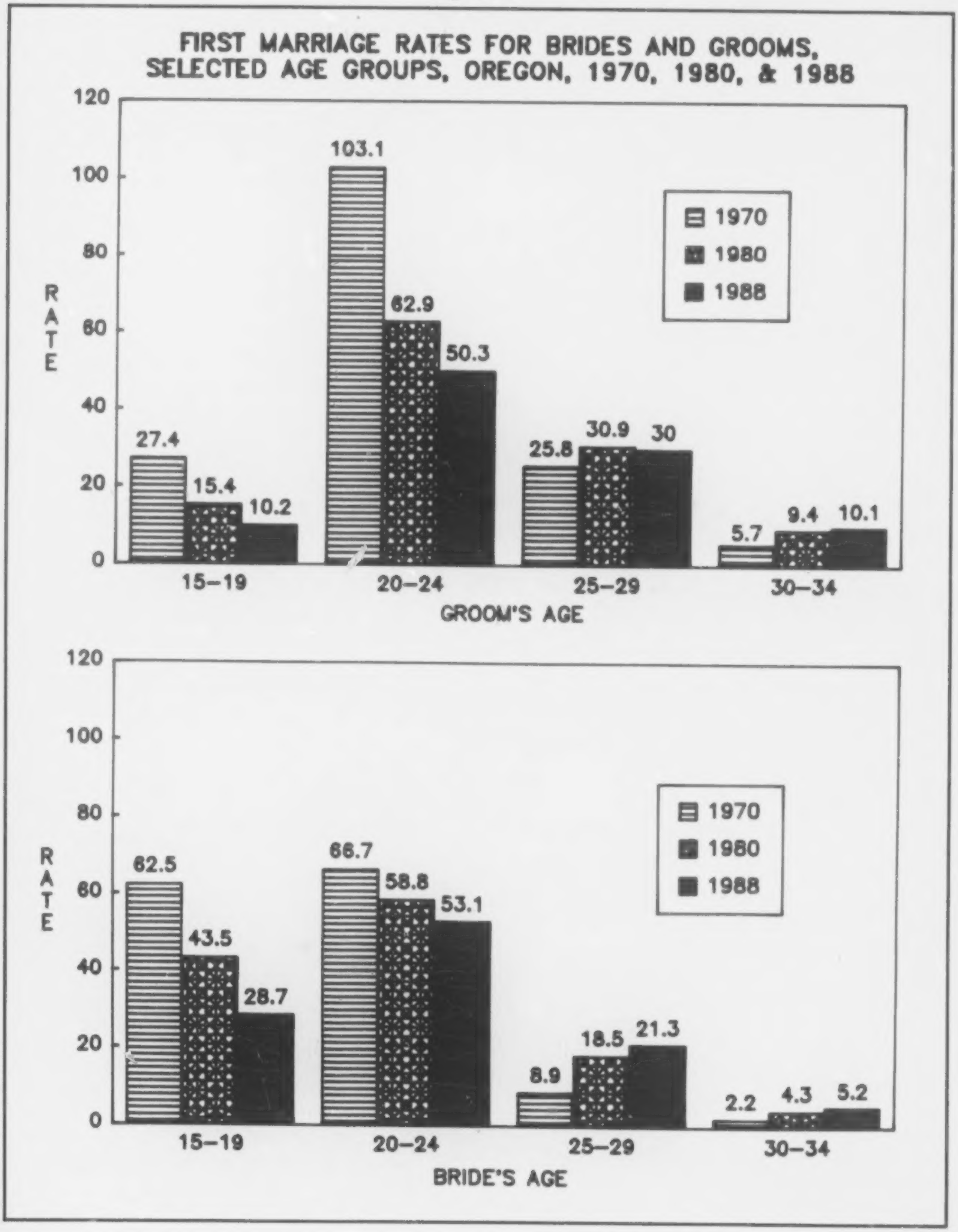
The most common month of marriage in Oregon was August, while for the U.S., June marriages were most common. Both the United States' and Oregon's divorce rates vary little from month to month.

Figure 5-1.



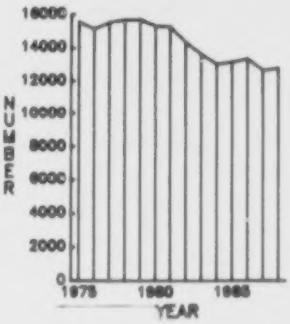
OCCURRENCE FIGURES YIELD LOW MARRIAGE RATE. Although the marriage and divorce rates are more useful than the absolute number of events, the calculation of rates is considerably more complicated than for the other areas of vital statistics. First, unlike birth and death events, the states do not exchange certificates of residents. Having only the number

Figure 5-2.



FIRST MARRIAGE RATES FOR BRIDES AND GROOMS, SELECTED AGE GROUPS, OREGON, 1970, 1980, & 1988 of events occurring in Oregon rather than resident figures is a serious problem because there may be advantages for marrying out-of-state, but few advantages for divorcing in another state. Oregon has traditionally had stricter requirements (financial and medical) than neighboring states, so many marriages which would normally occur here are counted in Washington, California, Idaho, and Nevada. Couples may choose to marry in the same location as their honeymoon location. Oregon's marriage rate was the second lowest in the 13 states making up the Mountain and Pacific regions in 1988, while the divorce rate ranked eighth. We've found, however, that where Oregon residents file for divorce may be due to costs and backlog of local court systems.

Divorces and Annulments Involving Children Under 18 Years Old, Oregon, 1975-1988



RATES BY AGE FOR FIRST MARRIAGES CHANGING. A second factor which makes marriage rates complicated is that the true denominator for the people "at risk of being married" (the number of unmarried people in the population) is available only in census years, and the total population can be a misleading substitute. Figure 5-2 refers to only first marriages of persons 15 to 34 years old and shows the changes which have occurred since 1970. Compared to 17 years ago, the rate of first marriages has declined for those under 25 years of age. This trend is especially strong among teenagers; the rate of first marriages among females declined by 54.1 percent and even more among males, 62.8 percent. In 1988, 60.3 percent of all marriages were first marriages for grooms. The figure was 58.9 percent for brides.

DURATION OF MARRIAGE BEFORE DIVORCE INCREASES. In addition to people delaying marriage until an older age, marriages that ended in divorce are lasting longer. In 1980, 42.0 percent of divorces were to people who had been married for less than five years. By 1988, only 36.1 percent of the divorced couples were so categorized.

FEWER CHILDREN AFFECTED BY DIVORCE. The decline of the fertility rate in previous years resulted in fewer children under the age of 18 being affected by divorce. Until 1975, the number of decrees was exceeded by the number of affected children, but both figures increased at a steady rate. After 1975, however, decrees increased through 1980, then decreased through 1984 while the number of children affected by a divorce remained the same or slightly declined. Since 1984, the number of decrees and the number of children affected have changed little. In 1988, 12,777 children were affected by a divorce compared to 12,643 in 1987 (Figure 5-3).

Figure 5-3.

Divorces and Annulments Involving Children Under 18 Years Old, Oregon, 1988

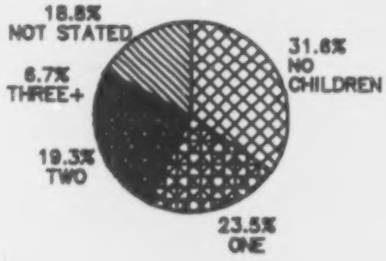


TABLE 5-1. DISSOLUTION OF MARRIAGES AND ANNULMENTS BY NUMBER OF MINOR CHILDREN (UNDER 18 YEARS) AFFECTED, OREGON, 1988

NUMBER OF CHILDREN REPORTED OF THIS MARRIAGE ONLY	TOTAL	PERCENT
TOTAL	15,187	100.0
NO CHILDREN	4,803	31.6
1 CHILD	3,570	23.5
2 CHILDREN	2,938	19.3
3 CHILDREN	807	5.3
4 CHILDREN	176	1.2
5 CHILDREN	23	.2
6 CHILDREN	9	.1
7 CHILDREN	4	.0
8 CHILDREN	-	-
9 CHILDREN	1	.0
10+ CHILDREN	-	-
NOT REPORTED	2,856	18.8
TOTAL NUMBER OF REPORTED MINOR CHILDREN AFFECTED	12,777	

- QUANTITY IS ZERO

TABLE 5-2. MARRIAGES AND DISSOLUTIONS (INCLUDING ANNULMENTS) BY MONTH OF OCCURRENCE, OREGON, 1988

MONTH OF OCCURRENCE	MARRIAGES		DISSOLUTIONS AND ANNULMENTS	
	NUMBER	RATE [1]	NUMBER	RATE [1]
TOTAL	23,405	8.5	15,187	5.5
JANUARY	1,053	4.8	1,161	5.2
FEBRUARY	1,353	6.1	1,264	5.7
MARCH	1,442	6.5	1,277	5.8
APRIL	1,633	7.4	1,182	5.3
MAY	1,887	8.5	1,217	5.5
JUNE	2,708	12.2	1,351	6.1
JULY	2,633	11.9	1,228	5.5
AUGUST	2,958	13.3	1,399	6.3
SEPTEMBER	2,323	10.5	1,247	5.6
OCTOBER	1,779	8.0	1,198	5.4
NOVEMBER	1,497	6.8	1,394	6.3
DECEMBER	2,139	9.7	1,269	5.7
NOT STATED	-	-		

[1] RATES PER 1,000 POPULATION. MONTHLY RATES ARE ANNUAL ESTIMATES BASED ON ONE-TWELFTH OF THE ANNUAL POPULATION

- QUANTITY IS ZERO

TABLE 5-3. MARRIAGES BY AGE GROUPS AND PREVIOUS MARITAL STATUS OF GROOM, OREGON, 1988

AGE OF GROOM	ALL MARRIAGES	FIRST MARRIAGE FOR GROOM	PREVIOUS MARITAL STATUS OF GROOM			
			TOTAL	DIVORCED	WIDOWED	UNKNOWN
Total......	23,405	14,117	9,240	8,413	827	48
15-19......	1,078	1,071	4	4	-	3
20-24......	6,012	5,713	280	277	3	19
25-29......	5,493	4,353	1,123	1,117	6	17
30-34......	3,688	1,930	1,755	1,732	23	3
35-39......	2,591	705	1,885	1,858	27	1
40-44......	1,729	251	1,477	1,445	32	1
45-49......	1,014	38	975	921	54	1
50-54......	578	21	557	505	52	-
55-59......	345	13	331	260	71	1
60-64......	270	11	259	148	111	-
65-69......	225	3	222	88	134	-
70-74......	194	6	188	42	146	-
75+........	185	2	183	16	167	-
N.S........	3	-	1	-	1	2

- QUANTITY IS ZERO

TABLE 5-4. MARRIAGES BY AGE GROUPS AND PREVIOUS MARITAL STATUS OF BRIDE, OREGON, 1988

AGE OF BRIDE	ALL MARRIAGES	FIRST MARRIAGE FOR BRIDE	PREVIOUS MARITAL STATUS OF BRIDE			
			TOTAL	DIVORCED	WIDOWED	UNKNOWN
Total......	23,405	13,789	9,573	8,708	865	43
15-19......	2,984	2,937	39	39	-	8
20-24......	6,725	6,008	700	695	5	17
25-29......	5,062	3,252	1,802	1,771	31	8
30-34......	3,128	1,094	2,033	1,976	57	1
35-39......	2,235	353	1,881	1,826	55	1
40-44......	1,405	100	1,305	1,226	79	-
45-49......	744	21	720	640	80	3
50-54......	329	11	317	258	59	1
55-59......	189	5	184	128	56	-
60-64......	208	2	206	74	132	-
65-69......	161	3	158	31	127	-
70-74......	132	2	129	30	99	1
75+........	97	-	96	13	83	1
N.S........	6	1	3	1	2	2

- QUANTITY IS ZERO

TABLE 5-5. ALL MARRIAGES AND FIRST MARRIAGES FOR BOTH BRIDE AND GROOM BY AGE GROUPS, OREGON, 1988

ALL MARRIAGES

AGE OF GROOM	Total	AGE OF BRIDE													
		15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	N.S.
TOTAL.	23,405	2,984	6,725	5,062	3,128	2,235	1,405	744	329	189	208	161	132	97	6
15-19.	1,078	819	227	19	5	7	1	-	-	-	-	-	-	-	-
20-24.	6,012	1,703	3,453	653	139	50	11	3	-	-	-	-	-	-	-
25-29.	5,493	375	2,157	2,128	576	188	55	9	3	-	-	-	-	-	2
30-34.	3,688	57	643	1,339	1,010	455	143	32	8	-	-	-	-	-	1
35-39.	2,591	17	169	607	827	668	248	43	9	3	-	-	-	-	-
40-44.	1,729	10	53	220	394	490	400	131	25	5	1	-	-	-	-
45-49.	1,014	3	14	76	120	238	293	210	45	13	1	1	-	-	-
50-54.	578	-	5	12	41	96	146	154	93	19	7	3	2	-	-
55-59.	345	-	1	3	6	25	67	84	77	56	17	4	5	-	-
60-64.	270	-	3	2	4	8	24	49	42	42	57	25	9	5	-
65-69.	225	-	-	2	5	7	10	18	18	23	61	55	17	8	1
70-74.	194	-	-	-	1	2	4	7	6	14	41	49	51	19	-
75+...	185	-	-	-	-	1	3	4	3	14	23	24	48	65	-
N.S...	3	-	-	1	-	-	-	-	-	-	-	-	-	-	2

FIRST MARRIAGES

AGE OF GROOM	Total	AGE OF BRIDE													
		15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	N.S.
TOTAL.	11,184	2,768	5,183	2,380	628	163	47	9	2	1	1	1	0	0	1
15-19.	1,024	806	207	8	3	0	0	-	-	-	-	-	-	-	-
20-24.	5,136	1,637	3,061	394	34	5	5	0	-	-	-	-	-	-	-
25-29.	3,339	287	1,566	1,293	171	19	2	0	0	-	-	-	-	-	1
30-34.	1,191	31	305	529	255	59	11	1	0	-	-	-	-	-	0
35-39.	373	3	36	130	133	55	15	1	0	0	-	-	-	-	-
40-44.	93	3	8	22	27	21	9	3	0	0	0	-	-	-	-
45-49.	13	1	0	4	2	2	3	1	0	0	0	0	-	-	-
50-54.	7	-	0	0	1	1	0	3	1	0	1	0	0	-	-
55-59.	2	-	0	0	0	1	0	0	0	1	0	0	0	-	-
60-64.	4	-	0	0	1	0	2	0	1	0	0	0	0	0	-
65-69.	1	-	-	0	1	0	0	0	0	0	0	0	0	0	0
70-74.	1	-	-	-	0	0	0	0	0	0	0	1	0	0	-
75+...	0	-	-	-	-	0	0	0	0	0	0	0	0	0	-
N.S...	0	-	-	0	-	-	-	-	-	-	-	-	-	-	0

- QUANTITY IS ZERO

TABLE 5-6. MARRIAGES BY COUNTY OF OCCURRENCE BY AGE GROUPS OF BRIDE, OREGON, 1988

COUNTY OF OCCURRENCE	ALL AGES	AGE OF BRIDE												
		15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	N.S.
TOTAL......	23,405	2,984	6,725	5,062	3,128	2,235	1,405	744	329	189	208	161	132	97	6
BAKER......	116	24	35	16	17	9	6	2	3	2	2	-	-	-	-
BENTON.....	506	34	159	118	84	48	30	11	8	5	2	4	2	1	-
CLACKAMAS..	2,024	230	651	456	244	181	130	56	19	16	20	13	4	4	-
CLATSOP....	371	52	82	67	56	46	29	17	7	4	1	3	4	3	-
COLUMBIA...	282	68	76	50	26	26	19	5	3	2	1	1	3	2	-
COOS.......	591	83	157	104	86	69	32	26	11	4	7	5	4	3	-
CROOK......	114	22	33	27	12	10	5	3	-	1	1	-	-	-	-
CURRY......	171	17	36	40	22	14	16	3	7	2	2	6	6	-	-
DESCHUTES..	631	82	155	120	108	58	45	23	13	8	8	5	5	-	1
DOUGLAS....	851	166	254	142	107	77	44	15	15	11	6	6	5	3	-
GILLIAM....	12	2	4	1	2	-	-	1	1	-	1	-	-	-	-
GRANT......	63	15	11	7	10	8	2	3	2	1	1	1	1	-	1
HARNEY.....	55	13	13	10	9	3	4	-	-	2	-	-	-	1	-
HOOD RIVER.	197	21	49	47	33	22	13	6	1	2	2	-	-	1	-
JACKSON....	1,259	204	341	239	173	107	100	41	12	9	9	12	5	7	-
JEFFERSON..	103	22	27	22	13	8	5	1	-	2	1	1	-	-	1
JOSEPHINE..	493	101	128	80	61	44	33	20	5	8	3	3	5	2	-
KLAMATH....	429	73	119	84	52	39	30	14	6	1	2	4	3	1	1
LAKE.......	52	15	13	9	5	6	1	-	-	1	1	1	-	-	-
LANE.......	2,415	303	676	504	336	248	155	84	31	15	20	15	18	10	-
LINCOLN....	533	43	118	101	94	67	41	24	17	10	7	5	3	3	-
LINN.......	776	142	250	149	81	44	48	22	11	7	5	5	7	4	1
MALHEUR....	187	47	65	33	17	8	6	3	2	1	-	1	2	2	-
MARION.....	2,045	293	618	432	211	180	119	62	37	24	22	16	16	15	-
MORROW.....	54	9	15	7	11	3	3	1	2	1	-	1	-	1	-
MULTNOMAH..	5,353	384	1,516	1,445	782	565	286	173	55	24	48	33	22	20	-
POLK.......	273	45	76	57	41	21	16	10	3	1	2	1	-	-	-
SHERMAN....	12	-	2	2	2	3	1	1	-	-	1	-	-	-	-
TILLAMOOK..	196	25	55	34	29	19	11	9	5	3	-	3	3	-	-
UMATILLA...	387	66	116	71	59	34	16	9	5	3	3	4	-	-	1
UNION......	210	55	67	21	25	19	10	7	4	1	1	-	-	-	-
WALLOWA....	44	8	11	9	6	3	5	1	1	-	-	-	-	-	-
WASCO......	191	29	56	27	29	13	11	11	6	1	1	4	2	1	-
WASHINGTON.	1,897	202	580	436	238	195	98	64	24	15	21	5	9	10	-
WHEELER....	13	2	4	1	1	2	1	-	-	1	-	1	-	-	-
YAMHILL....	499	87	157	94	46	36	34	16	13	1	7	2	3	3	-

- QUANTITY IS ZERO

TABLE 5-7. MARRIAGES BY COUNTY OF OCCURRENCE BY AGE GROUPS OF GROOM, OREGON, 1988

COUNTY OF OCCURRENCE	ALL AGES	AGE OF GROOM													
		15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	N.S.
TOTAL......	23,405	1,078	6,012	5,493	3,688	2,591	1,729	1,014	578	345	270	225	194	185	3
BAKER......	116	8	31	24	19	10	10	3	2	5	3	1	-	-	-
BENTON.....	506	7	128	137	84	60	37	21	12	7	3	4	4	2	-
CLACKAMAS..	2,024	86	554	504	314	189	146	93	57	14	25	22	8	12	-
CLATSOP....	371	15	71	84	63	54	25	24	10	5	8	3	3	6	-
COLUMBIA...	282	22	82	66	33	29	21	11	5	3	4	-	4	2	-
COOS.......	591	26	146	135	85	68	47	32	17	10	6	4	8	7	-
CROOK......	114	9	37	25	15	9	6	7	3	1	1	-	1	-	-
CURRY......	171	6	34	31	30	21	9	11	5	3	6	6	5	4	-
DESCHUTES..	631	36	135	139	99	69	67	26	14	12	17	6	7	4	-
DOUGLAS....	851	63	280	160	100	92	63	31	20	14	9	8	8	3	-
GILLIAM....	12	2	2	1	3	-	-	1	1	2	-	-	-	-	-
GRANT......	63	5	10	10	13	11	5	1	2	1	-	2	2	1	-
HARNEY.....	55	5	19	11	7	5	2	2	1	1	1	-	-	1	-
HOOD RIVER.	197	5	50	50	33	26	15	8	4	3	-	-	1	2	-
JACKSON....	1,259	77	332	265	179	153	90	57	41	21	11	10	10	13	-
JEFFERSON..	103	9	31	20	17	10	4	6	-	2	2	1	-	-	1
JOSEPHINE..	493	36	142	98	67	46	35	21	19	8	9	2	6	4	-
KLAMATH....	429	26	132	78	56	55	32	21	12	7	2	-	4	4	-
LAKE.......	52	2	15	11	8	7	3	3	-	1	-	1	1	-	-
LANE.......	2,415	118	647	523	382	251	210	98	60	32	32	20	22	20	-
LINCOLN....	533	21	86	100	93	81	61	29	19	14	7	9	5	8	-
LINN.......	776	52	249	182	95	73	41	28	15	7	6	8	9	10	1
MALHEUR....	187	17	72	46	18	12	4	5	2	5	2	1	-	3	-
MARION.....	2,045	105	594	458	298	181	135	94	46	32	28	25	26	23	-
MORROW.....	54	5	14	9	9	4	6	2	1	2	-	1	-	1	-
MULTNOMAH..	5,353	127	1,122	1,439	977	688	428	241	104	64	54	53	27	29	-
POLK.......	273	10	71	77	41	26	20	8	10	5	1	2	2	-	-
SHERMAN....	12	-	1	2	2	2	2	1	1	-	-	1	-	-	-
TILLAMOOK..	196	11	43	41	34	26	15	6	9	4	2	-	3	2	-
UMATILLA...	387	21	108	95	55	49	22	9	10	8	1	7	-	1	1
UNION......	210	22	71	36	25	19	14	5	6	6	-	4	-	2	-
WALLOWA....	44	2	11	6	12	4	1	3	1	3	1	-	-	-	-
WASCO......	191	10	47	41	31	15	10	16	7	2	2	3	3	4	-
WASHINGTON.	1,897	70	504	470	316	205	116	68	49	33	19	14	18	15	-
WHEELER....	13	1	3	2	2	2	-	1	-	-	1	1	-	-	-
YAMHILL....	499	41	138	117	73	39	27	21	13	8	7	6	7	2	-

- QUANTITY IS ZERO

TABLE 5-8. DISSOLUTION OF MARRIAGES AND ANNULMENTS BY AGE OF HUSBAND AND WIFE AND DURATION OF MARRIAGE, OREGON, 1988

AGE AT DIVORCE	TOTAL	DURATION OF MARRIAGE					
		UNDER 1 YEAR	1 - 4 YEARS	5 - 9 YEARS	10 - 19 YEARS	20 + YEARS	NOT STATED
TOTAL FOR HUSBAND....	15,187	493	4,937	4,290	3,630	1,672	165
15-19........	65	23	42	-	-	-	-
20-24........	1,151	64	939	135	-	-	13
25-29........	2,639	69	1,348	1,108	83	-	31
30-34........	3,024	68	895	1,238	788	-	35
35-39........	2,744	60	590	788	1,222	60	24
40-44........	2,121	54	416	442	782	404	23
45-49........	1,398	44	272	244	327	494	17
50-54........	721	28	133	130	144	285	1
55-59........	506	22	103	72	97	204	8
60-64........	304	19	63	49	68	102	3
65-69........	186	10	43	25	42	61	5
70-74........	108	11	28	15	25	29	-
75+..........	107	10	26	22	25	23	1
N.S..........	113	11	39	22	27	10	4
TOTAL FOR WIFE.......	15,187	493	4,937	4,290	3,630	1,672	165
15-19........	248	53	193	-	-	-	2
20-24........	2,043	79	1,463	475	2	-	24
25-29........	3,042	80	1,196	1,459	271	-	36
30-34........	3,041	53	761	1,080	1,119	1	27
35-39........	2,560	71	510	593	1,207	155	24
40-44........	1,893	54	380	293	548	596	22
45-49........	1,008	28	182	173	192	424	9
50-54........	476	23	62	79	98	212	2
55-59........	292	15	59	35	57	121	5
60-64........	194	13	30	29	49	72	1
65-69........	118	11	15	19	25	46	2
70-74........	60	5	13	7	15	19	1
75+..........	52	2	19	10	9	11	1
N.S..........	160	6	54	38	38	15	9

- QUANTITY IS ZERO

TABLE 5-9. DISSOLUTION OF MARRIAGES AND ANNULMENTS BY AGE OF HUSBAND AND WIFE AND ORDER OF MARRIAGE, OREGON, 1988

AGE AT DIVORCE	TOTAL	ORDER OF MARRIAGE				
		FIRST	SECOND	THIRD	FOUR+	N.S.
TOTAL FOR HUSBAND..	15,187	9,115	3,432	1,149	453	1,035
15-19......	65	60	2	-	-	3
20-24......	1,151	1,073	24	2	1	51
25-29......	2,639	2,243	247	20	2	127
30-34......	3,024	2,112	628	103	14	167
35-39......	2,744	1,538	760	215	53	178
40-44......	2,121	970	641	259	97	154
45-49......	1,398	546	434	197	85	136
50-54......	721	250	233	111	55	71
55-59......	506	152	168	94	46	44
60-64......	304	69	115	64	34	22
65-69......	186	38	67	42	30	9
70-74......	108	14	48	15	17	14
75+........	107	12	43	21	15	16
N.S........	113	38	22	6	4	43
TOTAL FOR WIFE.....	15,187	8,963	3,771	1,252	479	722
15-19......	248	236	6	-	-	6
20-24......	2,043	1,850	106	5	4	78
25-29......	3,042	2,338	513	67	7	117
30-34......	3,041	1,750	867	235	50	139
35-39......	2,560	1,196	879	295	86	104
40-44......	1,893	800	605	264	129	95
45-49......	1,008	391	335	155	73	54
50-54......	476	161	160	85	39	31
55-59......	292	100	91	59	29	13
60-64......	194	42	80	36	20	16
65-69......	118	24	50	18	17	9
70-74......	60	11	28	8	8	5
75+........	52	3	21	16	9	3
N.S........	160	61	30	9	8	52

- QUANTITY IS ZERO

TABLE 5-10. DISSOLUTION OF MARRIAGES BY COUNTY OF OCCURRENCE BY AGE GROUPS OF WIFE, OREGON, 1988

COUNTY OF OCCURRENCE	ALL AGES	AGE OF WIFE													
		15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	N.S.
TOTAL......	15,187	248	2,043	3,042	3,041	2,560	1,893	1,008	476	292	194	118	60	52	160
BAKER......	74	2	5	12	14	13	9	8	2	2	5	-	-	2	-
BENTON.....	311	1	42	48	75	53	47	24	6	6	3	2	-	1	3
CLACKAMAS..	1,071	7	122	217	202	183	150	87	31	35	17	6	3	3	8
CLATSOP....	187	2	35	35	36	31	20	16	4	2	2	2	-	-	2
COLUMBIA...	378	5	55	80	87	55	43	31	7	5	1	3	2	2	2
COOS.......	402	7	75	82	66	57	48	31	13	10	6	5	-	-	2
CROOK......	87	4	16	16	11	11	11	4	4	4	2	-	3	-	1
CURRY......	95	2	13	21	22	16	7	6	2	2	3	1	-	-	-
DESCHUTES..	385	11	46	64	70	63	59	26	18	6	6	5	3	-	8
DOUGLAS....	464	12	75	88	102	78	46	21	12	11	7	5	-	1	6
GILLIAM....	37	1	2	9	10	4	4	4	-	1	1	1	-	-	-
GRANT......	67	2	3	10	16	9	14	9	2	2	-	-	-	-	-
HARNEY.....	47	1	9	9	14	6	3	2	2	1	-	-	-	-	-
HOOD RIVER.	889	12	124	213	169	126	115	48	26	18	14	7	3	4	10
JACKSON....	869	23	126	153	163	152	120	57	28	10	12	6	7	5	7
JEFFERSON..	50	2	11	8	11	11	3	2	-	-	1	1	-	-	-
JOSEPHINE..	395	12	64	62	65	62	56	32	16	7	8	4	3	2	2
KLAMATH....	355	12	62	59	58	58	41	24	19	5	2	6	2	1	6
LAKE.......	48	1	9	11	6	5	8	2	2	1	2	-	-	-	1
LANE.......	1,654	21	195	331	339	317	204	109	48	35	19	10	8	5	13
LINCOLN....	153	4	16	32	19	33	19	13	5	3	1	3	2	1	2
LINN.......	553	13	101	101	98	83	59	34	20	12	8	6	8	-	10
MALHEUR....	106	1	18	21	13	17	9	15	3	2	3	1	1	1	1
MARION.....	851	18	131	183	152	130	95	54	26	16	7	4	5	6	24
MORROW.....	35	-	8	7	6	7	4	-	-	1	1	1	-	-	-
MULTNOMAH..	2,694	26	301	576	574	481	340	161	86	53	30	20	6	8	32
POLK.......	558	9	78	105	121	89	74	37	16	10	10	1	2	3	3
SHERMAN....	6	-	1	2	1	1	1	-	-	-	-	-	-	-	-
TILLAMOOK..	152	1	17	33	26	27	22	14	2	5	1	2	-	1	1
UMATILLA...	320	7	51	76	71	35	36	18	12	2	5	4	1	-	2
UNION......	68	1	10	19	17	9	4	3	2	2	-	1	-	-	-
WALLOWA....	38	-	5	3	10	6	7	1	4	1	1	-	-	-	-
WASCO......	92	-	15	19	21	13	8	9	2	-	2	-	-	2	1
WASHINGTON.	1,261	20	142	238	290	239	170	75	46	16	6	6	1	2	10
WHEELER....	41	-	6	7	8	11	4	2	1	1	-	1	-	-	-
YAMHILL....	394	8	54	92	78	69	33	29	9	5	8	4	-	2	3

- QUANTITY IS ZERO

TABLE 5-11. DISSOLUTION OF MARRIAGES BY COUNTY OF OCCURRENCE BY AGE GROUPS OF HUSBAND, OREGON, 1988

COUNTY OF OCCURRENCE	ALL AGES	AGE OF HUSBAND													
		15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	N.S.
TOTAL......	15,187	65	1,151	2,639	3,024	2,744	2,121	1,398	721	506	304	186	108	107	113
BAKER......	74	1	6	9	7	15	13	9	3	4	3	1	-	2	1
BENTON.....	311	2	25	41	71	65	42	32	10	12	4	2	2	-	3
CLACKAMAS..	1,071	1	71	167	213	190	167	104	58	42	18	15	5	8	12
CLATSOP....	187	1	15	34	44	40	17	13	5	6	6	4	2	-	-
COLUMBIA...	378	1	27	72	80	60	51	42	10	14	5	6	1	3	6
COOS.......	402	2	39	81	82	49	35	43	31	20	7	4	3	3	3
CROOK......	87	2	11	17	12	11	5	9	7	4	4	1	1	3	-
CURRY......	95	2	5	13	25	17	13	7	2	3	3	2	2	1	-
DESCHUTES..	385	1	22	62	77	68	50	41	26	12	7	8	4	4	3
DOUGLAS....	464	5	43	77	95	86	64	36	25	10	4	11	3	4	1
GILLIAM....	37	-	2	5	8	12	4	3	1	-	-	1	-	1	-
GRANT......	67	-	4	6	9	17	13	10	5	1	1	-	-	-	1
HARNEY.....	47	1	-	13	8	12	6	5	-	-	2	-	-	-	-
HOOD RIVER.	889	2	71	169	180	158	110	87	36	27	21	13	6	5	4
JACKSON....	869	5	70	143	166	143	125	101	34	23	23	12	10	7	7
JEFFERSON..	50	1	8	9	9	12	1	4	3	2	-	1	-	-	-
JOSEPHINE..	395	4	44	57	54	61	64	47	24	11	8	9	4	5	3
KLAMATH....	355	3	37	66	53	46	58	31	19	17	10	3	7	3	2
LAKE.......	48	-	4	9	5	10	8	5	3	1	1	2	-	-	-
LANE.......	1,654	2	106	274	335	329	234	158	78	53	41	14	9	11	10
LINCOLN....	153	2	7	27	24	37	10	18	6	8	4	3	3	2	2
LINN.......	553	5	54	99	113	95	66	38	26	19	14	5	8	4	7
MALHEUR....	106	-	10	21	13	16	18	7	7	7	1	1	4	-	1
MARION.....	851	2	85	168	156	136	119	71	38	26	12	8	7	7	16
MORROW.....	35	-	4	6	7	11	3	-	-	1	-	3	-	-	-
MULTNOMAH..	2,694	10	157	466	568	512	408	232	122	85	54	32	11	17	20
POLK.......	558	1	53	91	118	93	77	46	34	22	12	3	3	4	1
SHERMAN....	6	-	1	1	2	-	-	1	-	-	-	-	-	-	1
TILLAMOOK..	152	-	6	26	33	24	23	12	10	9	2	2	3	1	1
UMATILLA...	320	1	30	67	74	49	35	21	14	12	7	4	3	2	1
UNION......	68	-	3	14	16	15	10	4	2	2	1	1	-	-	-
WALLOWA....	38	-	1	4	5	10	8	4	3	2	1	-	-	-	-
WASCO......	92	-	5	21	20	20	12	3	6	-	2	1	-	2	-
WASHINGTON.	1,261	4	91	222	246	251	189	123	57	35	19	11	3	5	5
WHEELER....	41	-	5	7	4	7	10	2	1	3	1	-	1	-	-
YAMHILL....	394	4	29	75	92	67	53	29	15	13	6	3	3	3	2

- QUANTITY IS ZERO

TABLE 5-12. DISSOLUTIONS AND ANNULMENTS BY DURATION OF MARRIAGE AND ORDER OF MARRIAGE FOR HUSBAND AND WIFE, OREGON, 1988

DURATION OF MARRIAGE	TOTAL	ORDER OF MARRIAGE				
		FIRST	SECOND	THIRD	FOUR+	N.S.
TOTAL FOR HUSBAND....	15,187	9,115	3,432	1,149	453	1,035
UNDER 1 YEAR.	493	158	140	83	58	53
1 YEAR.......	1,091	525	309	111	70	76
2 YEARS......	1,334	687	364	110	76	97
3 YEARS......	1,297	763	318	102	46	68
4 YEARS......	1,215	699	283	116	42	74
5 YEARS......	1,059	607	255	95	27	75
6 YEARS......	987	563	247	81	25	71
7 YEARS......	849	508	177	88	16	60
8 YEARS......	741	427	186	62	10	56
9 YEARS......	654	374	170	47	14	49
10-14 YEARS..	2,203	1,351	522	142	46	142
15-19 YEARS..	1,427	1,016	242	62	9	98
20-24 YEARS..	861	688	103	18	4	48
25-29 YEARS..	413	332	44	9	5	23
30+ YEARS....	398	321	44	6	-	27
N.S..........	165	96	28	17	5	18
TOTAL FOR WIFE.......	15,187	8,963	3,771	1,252	479	722
UNDER 1 YEAR.	493	154	147	100	54	38
1 YEAR.......	1,091	490	325	136	90	50
2 YEARS......	1,334	674	358	173	64	65
3 YEARS......	1,297	715	321	152	57	52
4 YEARS......	1,215	677	319	128	50	41
5 YEARS......	1,059	599	283	96	31	50
6 YEARS......	987	553	279	86	28	41
7 YEARS......	849	500	239	51	18	41
8 YEARS......	741	408	208	69	12	44
9 YEARS......	654	393	185	34	11	31
10-14 YEARS..	2,203	1,343	594	123	44	99
15-19 YEARS..	1,427	997	286	62	9	73
20-24 YEARS..	861	687	113	11	7	43
25-29 YEARS..	413	350	39	8	1	15
30+ YEARS....	398	324	43	8	-	23
N.S..........	165	99	32	15	3	16

- QUANTITY IS ZERO

TABLE 5-13. DISSOLUTION OF MARRIAGES AND ANNULMENTS BY STATE OR REGION WHERE MARRIAGE OCCURRED BY DURATION OF MARRIAGE, OREGON, 1988

STATE OR REGION OF MARRIAGE	Total	UNDER 1 YEAR	1 - 4 YEARS	5 - 9 YEARS	10 - 19 YEARS	20 + YEARS	NOT STATED
TOTAL...............	15,187	493	4,937	4,290	3,630	1,672	165
NEW ENGLAND.........	49	-	13	8	20	8	-
MIDDLE ATLANTIC.....	105	-	22	17	40	25	1
EAST NORTH CENTRAL..	202	1	25	50	72	52	2
WEST NORTH CENTRAL..	214	1	36	41	61	73	2
SOUTH ATLANTIC......	185	1	42	50	54	37	1
EAST SOUTH CENTRAL..	62	1	15	16	19	11	-
WEST SOUTH CENTRAL..	197	2	56	61	50	27	1
MOUNTAIN............	2,702	125	858	768	635	301	15
MONTANA...........	59	1	7	19	21	11	-
IDAHO.............	286	8	68	80	66	62	2
WYOMING...........	28	-	6	11	5	6	-
COLORADO..........	88	3	20	17	29	19	-
NEW MEXICO........	18	-	3	5	7	3	-
ARIZONA...........	95	5	27	30	15	17	1
UTAH..............	62	2	19	20	13	7	1
NEVADA............	2,066	106	708	586	479	176	11
PACIFIC.............	11,083	355	3,795	3,211	2,603	1,067	52
OREGON............	8,310	306	3,118	2,451	1,770	630	35
WASHINGTON........	1,643	35	439	516	446	193	14
CALIFORNIA........	988	12	187	208	348	230	3
ALASKA............	79	1	24	23	24	7	-
HAWAII............	63	1	27	13	15	7	-
CANADA..............	33	-	5	7	9	11	1
MEXICO..............	26	2	4	4	6	10	-
PUERTO RICO.........	2	-	1	-	1	-	-
VIRGIN ISLANDS......	1	-	-	-	1	-	-
GUAM................	5	-	1	2	2	-	-
CUBA................	-	-	-	-	-	-	-
NOT STATED..........	143	2	19	14	9	9	90

- QUANTITY IS ZERO

TABLE 5-14. MEDIAN DURATION OF MARRIAGE BEFORE DIVORCE, OREGON, 1979-1988

SPOUSE	YEAR	ALL MARRIAGES	ORDER OF MARRIAGE			
			1st	2nd	3rd	4th +
Wife	1979	6.1	7.1	5.1	3.5	2.5
	1980	6.1	7.2	4.9	3.7	2.8
	1981	6.4	7.6	5.1	3.9	2.9
	1982	6.6	7.9	5.2	3.9	3.1
	1983	6.8	8.2	5.7	4.1	3.0
	1984	6.6	7.9	5.6	4.2	3.3
	1985	6.6	7.8	5.8	4.1	3.4
	1986	6.8	7.9	5.9	4.6	3.5
	1987	6.7	7.8	5.9	4.6	3.5
	1988	7.0	8.1	6.4	4.5	3.5
Husband	1979	6.1	7.2	4.9	3.7	2.9
	1980	6.1	7.2	4.7	3.8	2.8
	1981	6.4	7.6	5.1	3.9	3.2
	1982	6.6	7.9	5.2	3.9	3.3
	1983	6.8	8.2	5.6	4.4	3.3
	1984	6.6	7.8	5.5	4.2	3.9
	1985	6.6	7.6	5.7	4.5	4.0
	1986	6.8	7.8	5.7	4.8	3.8
	1987	6.7	7.7	5.9	4.9	3.8
	1988	7.0	8.0	6.1	5.5	3.4

MORBIDITY

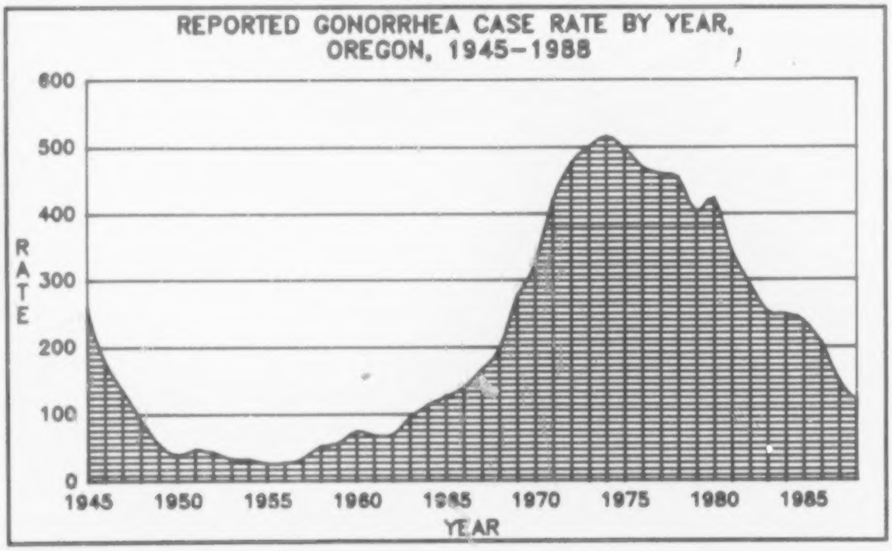
Morbidity

SEXUALLY TRANSMITTED DISEASES. Syphilis infections remained epidemic in Oregon during 1988. Similar to 1987, the epidemic has been centered in the Northern Willamette Valley. However, as 1988 progressed, infections became more focused in Multnomah County. The number of primary and secondary (infectious) cases increased by five percent from 310 in 1987 to 324 in 1988. The African American community was disproportionately represented in 1988, accounting for 49 percent of all infectious cases. The decrease in cases among gay males observed since 1983 continued. More female infections were reported in 1988 than in any year for the previous 20 years. When female syphilis infections increase, the potential for congenitally infected newborns also increases. Nine cases of newborn congenital syphilis were reported in 1988. Total syphilis increased by 69 percent in 1988 compared to 1987. Most of this increase was a result of infections detected among aliens applying for legal status under the Immigration Reform and Control Act.

Reported cases of gonorrhea continued the decreasing trend observed since 1981. Only 3,221 infections were reported in 1988; a 20 percent decline from the 4,043 infections reported in 1987 (Figure 6-1).

Chlamydial infections have been reportable in Oregon since mid 1987. The first full year for which fairly reliable chlamydia data is available is 1988. Private and public health care providers are required to report laboratory confirmed chlamydial infections of the genital tract. Local health departments are asked to additionally report cases presumptively diagnosed on the basis of clinically associated syndromes; including: nongonococcal urethritis and mucopurulent cervicitis. In 1988, a total of 7,135 laboratory confirmed cases were reported and an additional 4,485 clinically diagnosed cases were reported from local health departments. Rates of chlamydia infection are relatively uniform throughout Oregon communities. In contrast, rates of syphilis and gonococcal infections are greatest in the Northern Willamette Valley.

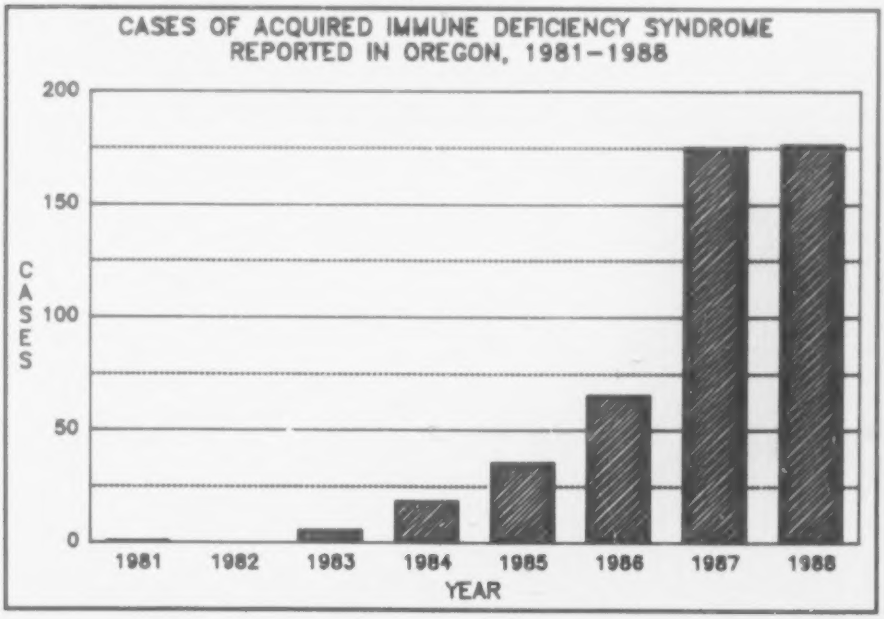
Figure 6-1.



ACQUIRED IMMUNODEFICIENCY SYNDROME (AIDS). Morbidity and mortality from AIDS reached 477 cases and 281 case deaths as of December 31, 1988. AIDS cases were reported from 23 counties, with 66.2 percent from Multnomah, 6.9 percent from Lane, 6.1 percent from Washington, and 5 percent from Clackamas County. Seventy-eight percent of the AIDS cases were homosexual/bisexual men, 11 percent homosexual/bisexual intravenous drug users, and 4 percent heterosexual intravenous drug users. Women with AIDS comprised 1.8 percent of the total AIDS cases and fit into either the intravenous drug (0.6 percent) or blood transfusion (1.2 percent) risk categories. Ninety-one percent of the AIDS cases were to persons between 20 and 49 years old, with 50 percent of the cases in the 30-39 year-old age group. Sex and age group breakdown percentages for Oregon AIDS cases are close to the national values. Race group breakdowns differ. Ninety-three percent of Oregon AIDS cases are in whites, compared to 58 percent nationally. African Americans comprise 2 percent and Hispanics 4 percent of AIDS cases in Oregon, compared to national percentages of 27 percent and 15 percent respectively.

One hundred seventy-seven new Oregon AIDS cases were reported in 1988. This number differs little from the 175 cases reported in 1987 (Figure 6-2). This apparent plateau in the number of AIDS cases is surprising in light of the substantial increases in the number of AIDS cases observed from 1984-1987, plus predictions from mathematical and statistical models for increases over the next ten years. The decrease in the number of reported AIDS cases may be explained by several factors. Administration of prophylactic drugs such as AZT and aerosolized pentamidine are delaying the AIDS diagnosis in patients. A change in the case definition of AIDS in 1987 increased the number of reported AIDS cases for the year preceding 1988. Similarly, active surveillance of AIDS began in 1987, increasing the number of AIDS cases reported in that year. Finally, the number of AIDS cases reported in 1988 does not fall outside of 95 percent confidence intervals for AIDS cases predicted in 1988.

Figure 6-2.



TUBERCULOSIS. During 1988 there were 161 reported cases of tuberculosis in Oregon, a slight increase from 1987 but an 18 percent increase from the 136 cases reported in 1986. The average patient profile changed dramatically from 1987 to 1988. There has been a 46 percent (N=11) increase in reported cases among Hispanics and a 33 percent (N=17) increase among persons born outside of the United States. Much of the increase in cases nationally has been attributed to the occurrence of tuberculosis among those with concurrent human immunodeficiency virus (HIV) infection and the homeless. This does not appear to have contributed to the increase in Oregon during 1988 where the increase has occurred primarily among the foreign born.

HEPATITIS A AND HEPATITIS B. Hepatitis A cases remained at an elevated level during 1988. The total of 1485 cases represented an increase of 11.8 percent compared to the 1328 cases of 1987. The highest incidence rate (128.7 per 100,000 population) occurred among those 25-29 years of age and among these the rate for males was 157.5 while that for females 96.5. The overall incidence rate for the state was 54.2. Males were 1.5 times more likely to acquire hepatitis A than were females.

The total of 611 reported cases of hepatitis B in 1988 represented a 7.4 percent decrease from the 660 cases reported in 1987 (Figure 6-3).

MENINGOCOCCAL DISEASE A total of 47 cases were reported during 1988, representing an overall risk of 1.7 cases per 100,000 population. As in previous years the most prevalent serogroup was B which comprised 63 percent of the typed isolates. Of the 47 cases, 25 (53 percent) occurred among children under five years of age which represented an incidence rate of 13.0 cases per 100,000. Of these 25 cases, 20 (80 percent) occurred in children under two years of age.

INJURY REGISTRY. In 1988, the Oregon Injury Registry (OIR), system expanded its contributor base to single sites in the Mid-Willamette Valley and Central Oregon. The Registry's primary contributor group, however, continued to be described by acute care facilities in the six-county area surrounding Portland. In 1988, the OIR broadened its case definition to include surveillance of unintentional poisoning (POISONINGS), foreign body aspirations (SUFFOCATION, ASPIRATION), and overexertion (ENVIRONMENTAL). Inclusion of these additional ICD.9.CM codes allows further injury description and trending of unintentional drug and pesticide poisonings, aspirations related to consumer products, and the myriad of musculoskeletal injuries and injury conditions often associated with work-related events.

In 1988, unintentional falls were the most frequent cause of non-fatal hospitalized injury. These injuries were particularly frequent among those less than 15 years of age and older than 64. The other four leading causes of injuries were those involving a motor vehicle, being assaulted by someone, being struck or caught, or injured while using a machine, tool, or appliance. The leading injury causes for children younger than 15 were falls, motor vehicles, pedestrian, and bicycle injuries.

Under-reporting for 1988 (total number of reported cases) was estimated to be less than 1987 by five to eight percent according to as yet unpublished figures from the 1988 Hospital Discharge Index.

Figure 6-3.

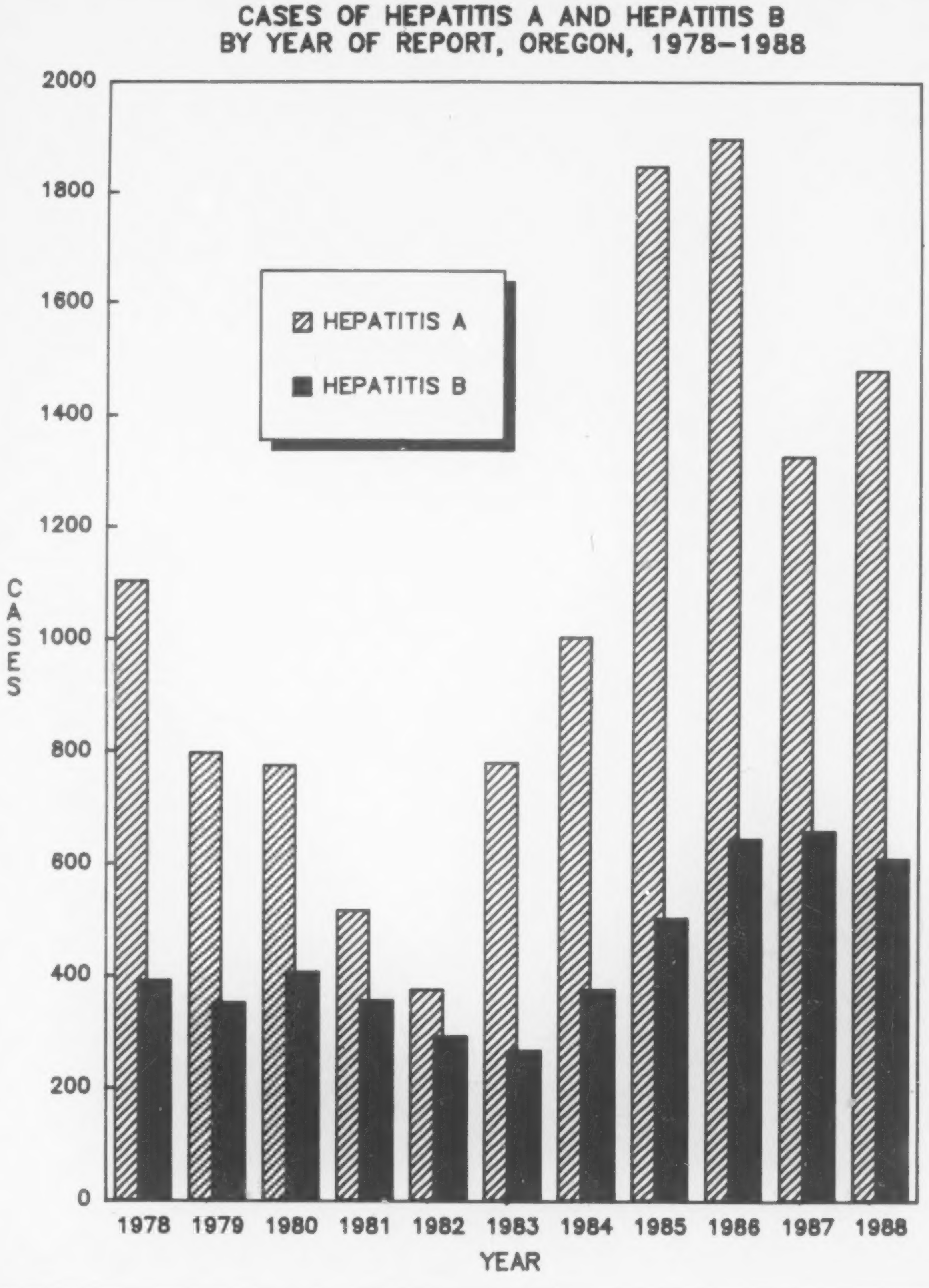

CASES OF HEPATITIS A AND HEPATITIS B
BY YEAR OF REPORT, OREGON, 1978–1988
▨ HEPATITIS A
■ HEPATITIS B
CASES
0
200
400
600
800
1000
1200
1400
1600
1800
2000
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
YEAR

TABLE 6-1. REPORTED CASES OF GONORRHEA BY AGE GROUP AND SEX, OREGON, 1983-1988.

AGE GROUP AND SEX	1983		1984		1985		1986		1987		1988	
	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates
TOTAL	6,672	253.2	6,635	249.4	6,409	239.5	5,481	206.1	4,043	150.3	3,221	117.5
Male	3,647	282.1	3,565	272.8	3,529	268.6	3,114	238.4	2,254	170.9	1,862	138.6
Female	3,025	225.0	3,070	226.9	2,880	211.5	2,367	174.9	1,789	130.5	1,359	97.2
Under 10	14	3.6	10	2.6	3	0.8	7	1.8	8	2.0	14	3.5
Male	4	2.0	2	1.0	2	1.0	1	0.3	1	0.3	8	4.0
Female	10	5.3	8	4.2	1	0.5	6	1.5	7	3.6	6	3.2
10 - 14	76	38.9	104	54.8	79	42.7	74	41.5	42	23.7	53	28.6
Male	7	7.0	11	11.3	12	12.7	6	6.6	11	12.1	8	8.4
Female	69	72.3	93	100.3	67	74.3	68	78.0	31	35.9	45	49.9
15 - 19	1,552	730.4	1,728	849.1	1,697	857.9	1,336	663.5	1,070	555.7	771	392.1
Male	525	494.0	603	581.3	625	618.1	523	507.6	429	435.4	318	317.0
Female	997	976.3	1,125	1,127.5	1,072	1,108.6	813	826.8	641	681.9	453	470.0
20 - 24	2,220	1,004.1	2,166	963.2	1,944	901.5	1,646	752.0	1,155	570.5	902	451.6
Male	1,204	1,088.3	1,225	1,079.4	1,104	1,009.0	936	840.2	659	636.5	532	521.0
Female	1,016	919.7	941	844.7	840	790.8	710	660.7	496	501.5	370	379.0
25 - 29	1,188	507.8	1,069	469.9	1,118	490.7	994	461.5	727	328.8	569	255.2
Male	790	683.3	703	626.0	752	668.3	640	602.7	429	392.9	368	331.3
Female	398	336.4	366	317.7	366	317.4	354	324.2	298	266.2	201	179.7
30 - 34	603	255.0	529	219.6	534	219.1	535	231.8	376	156.3	344	143.1
Male	441	371.8	392	324.0	385	316.7	390	339.9	256	214.6	237	199.3
Female	162	137.5	137	114.3	149	122.0	145	125.0	120	99.0	107	88.1
35 - 39	300	151.7	253	121.4	257	115.5	268	118.5	191	81.9	172	72.0
Male	230	231.1	191	181.6	186	165.8	213	187.1	144	123.0	128	106.9
Female	70	71.2	62	60.1	71	64.4	55	49.0	47	40.5	44	36.9
40 +	238	24.9	234	24.0	237	24.0	244	24.5	213	20.7	187	17.6
Male	187	42.0	187	41.2	200	43.4	205	44.1	188	39.2	163	33.0
Female	51	10.0	47	9.0	37	7.0	39	7.3	25	4.5	24	4.2
Age N.S.	511		542		540		377		261		209	
Male	259		251		263		200		137		100	
Female	252		291		277		177		124		109	

All rates per 100,000 population within the specific age group.

TABLE 6-2. REPORTED CASES OF PRIMARY AND SECONDARY SYPHILIS BY AGE GROUP, OREGON, 1983-1988.

AGE GROUP	1983		1984		1985		1986		1987		1988	
	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates
TOTAL	144	5.5	117	4.4	112	4.2	126	4.7	310	11.5	324	11.8
10 - 14	-	-	-	-	1	0.5	-	0.0	3	1.7	1	0.5
15 - 19	3	1.4	10	4.9	10	5.1	12	6.0	25	13.0	45	22.9
20 - 24	26	11.8	18	8.0	20	9.3	34	15.5	80	39.5	75	37.5
25 - 29	33	14.1	228	12.3	25	11.0	27	12.5	76	34.4	74	33.1
30 - 34	32	13.5	20	8.3	21	8.6	27	11.7	52	21.6	61	25.4
35 - 39	22	11.1	12	5.8	15	6.7	12	5.3	41	17.6	27	11.3
40 +	28	2.9	29	3.0	20	2.0	14	1.4	32	3.1	41	3.9

Includes primary and secondary syphilis only.
Rates per 100,000 population within the specific age group.

TABLE 6-3. REPORTED CASES OF SYPHILIS AND GONORRHEA, OREGON, 1945-1988

YEAR	SYPHILIS			GONORRHEA	
	TOTAL		Primary and Secondary (Contagious)		
	Cases	Rate		Cases	Rate
1945	1,717	139.9	472	3,214	261.9
1946	1,447	107.4	493	2,438	180.9
1947	1,427	100.3	439	1,945	136.7
1948	1,205	81.9	286	2,363	92.7
1949	703	46.5	152	854	56.5
1950	525	34.5	54	614	40.4
1951	381	24.3	46	745	47.5
1952	629	39.3	56	702	43.8
1953	683	41.7	48	557	34.0
1954	713	42.9	44	548	33.0
1955	609	36.0	37	470	27.8
1956	598	34.5	52	490	28.2
1957	589	33.9	21	611	35.2
1958	716	41.4	22	916	53.0
1959	746	42.0	46	1,029	57.9
1960	637	36.0	72	1,331	75.3
1961	524	28.8	43	1,258	69.3
1962	561	30.7	49	1,287	70.5
1963	593	31.9	73	1,783	96.1
1964	377	19.8	76	2,177	114.2
1965	427	22.4	47	2,520	127.8
1966	222	11.1	46	2,811	140.8
1967	206	10.3	43	3,363	167.6
1968	199	9.7	41	4,056	197.8
1969	201	9.7	43	5,799	277.6
1970	177	8.5	32	6,793	324.8
1971	114	5.3	15	9,043	422.0
1972	113	5.2	40	10,206	476.5
1973	148	6.7	49	11,146	501.0
1974	237	10.5	118	11,704	516.5
1975	304	13.2	145	11,449	498.0
1976	250	10.7	106	11,022	470.7
1977	282	11.8	144	11,044	460.9
1978	415	16.8	170	11,253	455.2
1979	361	14.2	168	10,278	404.0
1980	296	11.2	109	11,162	424.0
1981	272	10.2	123	9,189	345.4
1982	214	8.1	111	7,796	293.5
1983	274	10.4	144	6,672	253.2
1984	251	9.4	117	6,635	249.4
1985	236	8.8	112	6,409	239.5
1986	234	8.8	126	5,481	206.1
1987	678	25.2	310	4,043	150.3
1988	811	29.6	324	3,221	117.5

Rates per 100,000 population.

TABLE 6-4. REPORTED CASES OF SYPHILIS AND GONORRHEA BY COUNTY OF RESIDENCE, OREGON, 1988.

COUNTY OF RESIDENCE	SYPHILIS						GONORRHEA*	
	TOTAL		Primary and Secondary (Contagious)	Early Latent	Late	Congenital	Cases	Rate
	Cases	Rate						
TOTAL	811	29.6	324	191	287	9	3221	117.5
Baker	-	-	-	-	-	-	2	13.2
Benton	3	19.8	1	1	1	-	23	32.8
Clackamas	37	14.1	11	5	20	1	136	51.9
Clatsop	2	5.9	-	1	1	-	22	64.7
Columbia	1	2.7	-	-	1	-	8	21.7
Coos	4	6.8	2	2	-	-	28	47.6
Crook	-	-	-	-	-	-	-	-
Curry	-	-	-	-	-	-	9	48.9
Deschutes	-	-	-	-	-	-	31	45.1
Douglas	2	2.2	-	-	2	-	21	22.6
Gilliam	-	-	-	-	-	-	-	-
Grant	1	12.0	-	-	1	-	4	47.9
Harney	-	-	-	-	-	-	-	-
Hood River	24	145.5	1	-	23	-	8	48.5
Jackson	11	7.7	3	1	7	-	95	66.2
Jefferson	11	92.4	-	4	7	-	10	84.0
Josephine	1	1.6	1	-	-	-	34	53.1
Klamath	10	17.5	4	-	6	-	36	62.8
Lake	-	-	-	-	-	-	1	13.7
Lane	20	7.3	4	8	8	-	198	72.3
Lincoln	2	5.2	-	2	-	-	13	33.5
Linn	3	3.4	-	2	-	1	31	34.9
Malheur	5	18.9	1	-	4	-	11	41.7
Marion	142	64.8	32	45	64	1	436	199.1
Morrow	4	51.3	-	-	4	-	1	12.8
Multnomah	382	67.0	239	98	39	6	1770	310.3
Polk	16	33.8	2	8	6	-	42	88.8
Sherman	-	-	-	-	-	-	-	-
Tillamook	1	4.7	1	-	-	-	3	14.0
Umatilla	15	26.0	1	2	12	-	49	85.1
Union	2	8.6	-	1	1	-	10	42.9
Wallowa	-	-	-	-	-	-	-	-
Wasco	1	4.9	-	-	1	-	9	43.7
Washington	88	30.7	18	9	61	-	142	49.5
Wheeler	-	-	-	-	-	-	-	-
Yamhill	23	38.5	3	2	18	-	38	63.5

Rates per 100,000 population

* No reported cases of Chancroid, LGV, Granuloma Inguinale.

TABLE 6-5. REPORTED TUBERCULOSIS CASES AND DEATHS, OREGON, 1950-1988

YEAR	CASES*		DEATHS	
	Number	Rate	Number	Rate
1950	676	44.4	201	13.2
1951	765	48.8	209	13.3
1952	863	53.9	146	9.1
1953	656	40.1	112	6.8
1954	636	38.2	84	5.1
1955	638	37.7	80	4.7
1956	593	34.2	70	4.0
1957	578	33.3	62	3.6
1958	572	33.1	54	3.1
1959	560	31.5	69	3.9
1960	492	27.8	63	3.6
1961	454	25.0	57	3.1
1962	417	22.8	43	2.3
1963	395	21.3	51	2.7
1964	416	21.8	48	2.5
1965	361	18.3	34	1.8
1966	386	19.3	43	2.2
1967	322	16.0	37	1.8
1968	290	14.1	29	1.4
1969	357	17.2	24	1.2
1970	265	12.7	18	0.9
1971	249	11.6	29	1.4
1972	234	10.7	30	1.4
1973	239	10.7	30	1.3
1974	207	9.1	24	1.1
1975	194	8.4	20	0.9
1976	197	8.4	20	0.9
1977	171	7.1	13	0.5
1978	204	8.3	21	0.8
1979	179	7.0	20	0.8
1980	218	8.3	27	1.0
1981	206	7.7	18	0.7
1982	194	7.3	14	0.5
1983	182	6.9	19	0.7
1984	156	5.9	23	0.9
1985	144	5.4	16	0.6
1986	136	5.1	7	0.3
1987	159	6.0	15	0.6
1988	161	5.9	16	0.6

All rates per 100,000 population.

* From 1950 to 1974 new cases included those cases first reported in that year. Since 1975 new cases include those cases first reported in that year plus reactivations.

TABLE 6-6. CASES OF REPORTABLE DISEASES BY MONTH OF REPORT, OREGON 1988.

DISEASES	TOTAL	MONTH											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
AIDS	177	17	14	10	14	19	13	20	8	16	18	14	14
Amebiasis	85	3	3	3	8	9	4	7	6	7	12	20	3
Botulism	5	-	-	-	-	-	-	4	-	-	-	-	1
Hepatitis													
Type A (Infectious)	1483	126	205	159	112	83	100	82	113	87	102	133	181
Type B (Serum)	611	46	63	66	44	48	49	42	59	50	36	51	57
Non A Non B	105	9	6	8	9	9	7	6	7	8	8	13	15
Unspecified	22	2	2	-	4	3	1	2	7	-	-	-	1
Legionellosis	7	-	-	-	-	-	-	-	-	-	1	3	3
Leprosy	2	-	-	-	-	1	-	-	-	-	-	-	1
Malaria	19	2	1	1	1	1	-	5	-	1	-	4	3
Meningococcal Infections	47	7	4	2	6	4	4	3	2	2	3	5	5
Pertussis (Whooping Cough)	53	2	-	-	1	4	-	9	5	9	16	3	4
Psittacosis	10	3	2	-	-	-	1	1	-	1	-	-	2
Rubella	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubella, Congenital Syndrome	1	-	-	-	-	1	-	-	-	-	-	-	-
Salmonellosis (Excl. Typhoid)	404	17	11	34	39	22	40	32	53	38	51	36	31
Shigella (Bacillary) Dysentery)	112	6	7	5	4	5	4	19	6	15	17	10	14
Tularemia	2	-	-	-	-	-	-	-	-	-	1	-	1
Typhoid Fever	8	1	2	1	1	1	-	-	-	-	1	-	1
Typhus Fever (Tick-Borne Rocky Mt. Spot)	2	-	-	-	-	-	1	-	-	-	-	-	1
Toxic-Shock Syndrome	1	-	-	-	-	-	-	1	-	-	-	-	-

TABLE 6-7. CASES OF REPORTABLE DISEASES BY COUNTY OF RESIDENCE, OREGON, 1988.

COUNTY OF RESIDENCE	AIDS	AMEBIASIS	HEPATITIS				MALARIA
			Type A	Type B	Non A Non B	Unspeci-fied	
TOTAL	177	85	1,483	611	105	22	19
Baker	-	-	-	-	-	-	-
Benton	3	6	25	10	1	-	1
Clackamas	5	-	70	19	15	1	1
Clatsop	1	-	2	4	1	-	-
Columbia	1	-	5	10	1	-	-
Coos	2	-	55	11	4	-	1
Crook	-	-	1	1	1	-	-
Curry	-	-	8	-	-	-	-
Deschutes	1	1	13	12	2	-	-
Douglas	-	-	148	13	2	8	-
Gilliam	-	-	-	-	-	-	-
Grant	-	-	-	-	-	-	-
Harney	-	-	-	-	-	-	-
Hood River	-	6	7	1	1	-	-
Jackson	5	5	142	27	2	-	1
Jefferson	-	-	2	3	-	-	-
Josephine	-	-	63	12	3	-	-
Klamath	1	-	3	3	-	-	-
Lake	-	-	-	-	-	-	-
Lane	15	16	182	58	6	-	1
Lincoln	2	-	12	3	8	1	-
Linn	1	-	76	6	3	2	-
Malheur	-	-	2	2	1	-	-
Marion	6	14	176	108	19	5	2
Morrow	-	-	2	3	1	-	-
Multnomah	120	19	323	223	21	3	5
Polk	-	1	42	11	2	2	-
Tillamook	-	-	6	4	-	-	-
Umatilla	-	-	11	9	1	-	-
Union	-	-	2	1	-	1	-
Wallowa	-	-	-	-	-	-	-
Wasco-Sherman*	-	-	5	3	-	-	-
Washington	15	17	71	42	5	-	7
Wheeler	-	-	-	-	-	-	-
Yamhill	1	-	38	12	4	-	-

TABLE 6-7. CASES OF REPORTABLE DISEASES BY COUNTY OF RESIDENCE, OREGON, 1988, continued.

COUNTY OF RESIDENCE	MENINGOCOCCAL INFECTIONS	PERTUSSIS	SALMONELLOSIS	SHIGELLOSIS	TUBERCULOSIS	TULAREMIA	TYPHOID FEVER	MEASLES
TOTAL	47	53	404	112	161	2	8	7
Baker	-	-	2	-	-	-	-	1
Benton	1	-	12	3	7	-	-	1
Clackamas	2	-	27	13	6	-	1	-
Clatsop	2	-	3	-	-	-	-	-
Columbia	-	-	3	-	-	-	-	-
Coos	-	2	7	-	1	-	-	-
Crook	-	1	1	-	-	-	-	-
Curry	-	-	-	-	-	-	-	-
Deschutes	1	1	11	1	2	-	-	-
Douglas	1	-	4	1	2	-	-	-
Gilliam	-	-	-	-	-	-	-	-
Grant	-	-	-	-	-	-	-	-
Harney	-	-	-	-	-	1	-	-
Hood River	1	-	6	-	7	-	-	-
Jackson	1	2	19	1	7	-	-	-
Jefferson	-	-	7	2	2	-	-	-
Josephine	3	-	6	1	2	-	-	-
Klamath	5	1	6	2	3	-	-	-
Lake	-	-	1	-	-	-	-	-
Lane	6	20	44	11	16	-	1	-
Lincoln	1	1	4	1	1	-	-	2
Linn	6	-	20	3	2	1	-	-
Malheur	-	4	8	6	2	-	-	-
Marion	2	7	29	14	17	-	-	-
Morrow	-	-	-	-	-	-	-	-
Multnomah	10	9	107	25	67	-	1	3
Polk	1	-	4	1	1	-	-	-
Tillamook	-	-	1	-	1	-	-	-
Umatilla	-	-	19	1	2	-	1	-
Union	-	-	2	-	-	1	-	-
Wallowa	-	-	1	-	-	-	-	-
Wasco-Sherman*	-	1	3	-	1	-	-	-
Washington	2	-	40	14	11	-	3	-
Wheeler	-	-	-	-	-	-	-	-
Yamhill	-	4	7	12	1	-	1	-

*Wasco and Sherman Counties reported together.

TABLE 6-8. REPORTED CASES OF HEPATITIS A PER 100,000 POPULATION BY AGE AND SEX, OREGON, 1978, 1982-1988

AGE GROUP IN YEARS	1978			1983-1987			1988		
	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL
<5	16.4	13.9	15.2	28.6	21.5	25.6	33.6	22.3	28.6
5-9	46.0	44.4	45.2	50.8	44.2	48.7	52.9	53.2	54.5
10-14	43.8	23.7	33.9	41.2	35.5	39.0	34.7	46.6	41.0
15-19	48.4	45.9	47.2	76.2	54.8	66.2	75.8	67.5	72.7
20-24	113.6	70.4	92.0	152.6	99.8	128.0	128.3	104.5	117.1
25-29	116.6	85.8	100.5	147.5	90.2	119.8	157.5	96.5	128.7
30-39	84.4	37.2	60.4	78.3	44.7	61.8	97.2	49.1	73.2
40-49	30.1	16.8	23.3	30.5	21.9	26.6	35.9	28.6	32.2
50-59	22.5	18.5	20.4	18.1	13.6	15.8	23.3	18.0	21.5
60+	11.2	12.3	11.8	12.7	11.4	12.0	10.5	7.9	9.2
TOTAL	54.0	35.8	44.7	62.2	39.4	51.3	64.1	43.1	54.2

TABLE 6-9. REPORTED CASES OF MENINGOCOCCAL DISEASE BY SEROGROUP AND INCIDENCE PER 100,000 POPULATION, OREGON, 1985-1988

	NUMBER OF CASES PER SEROGROUP							
YEAR	A	B	C	Y	W-135	UNKNOWN	TOTAL	INCIDENCE RATE
1985	1	16	4	1	1	16	39	1.5
1986	1	16	3	0	0	18	38	1.4
1987	0	10	3	0	0	24	37	1.3
1988	0	12	5	1	1	28	47	1.7

TABLE 6-10. REPORTED CASES OF MENINGOCOCCAL DISEASE BY AGE AND SEX, OREGON, 1988

AGE GROUP IN YEARS	NUMBER OF CASES		
	MALE	FEMALE	TOTAL
<1	4	7	11
1	4	4	9*
2	-	2	2
3	1	-	1
4	1	1	2
5-9	1	3	4
10-14	-	-	-
15-19	1	5	6
20-24	2	1	3
25-29	1	1	2
30-39	-	1	1
40-49	-	-	-
50-59	-	2	-
60+	1	3	4
TOTAL	16	30	47

* Sex not recorded for one case in this age group.

TABLE 6-11. REPORTED CASES OF MENINGOCOCCAL DISEASE PER 100,000 POPULATION BY AGE, OREGON, 1988

AGE GROUP IN YEARS	NUMBER OF CASES	INCIDENCE RATE
<5	25	13.0
5-19	10	1.7
20-59	6	0.5
60+	4	0.8
TOTAL	47	1.8

Table 6-12. HOSPITALIZED NON-FATAL INJURIES BY CAUSE AND AGE,

OCCURRENCES IN SEVEN OREGON COUNTIES, 1988

External Cause 9th Revision ICD	Total	<1	1-4	5-14	15-19	20-29	30-49	50-64	65+
Total	7,365	55	163	608	649	1,325	1,758	767	2,040
Motor Vehicle									
Traffic MVA 810-819 (.0,.1,.4,.5,.8,.9)	1,696	15	23	71	259	478	466	179	205
Non-Traffic MVA 820-825 (.0,.1,.4,.5,.8,.9)	69	1	1	5	10	17	15	7	13
Motorcycle 810-825 (.2,.3)	301	2	0	10	59	124	88	15	3
Pedestrian 810-825(.7), 826.0	271	1	6	60	26	35	70	22	51
Bicyclists 810-825(.6), 826(.1,.2,.3,.4,.8,.9)	170	2	0	70	21	20	39	15	3
Other Transport 827-848	138	1	1	19	9	22	65	14	7
Unintentional Poisoning 850-869.9	19	0	5	1	0	4	4	0	5
Falls 880-888	2,954	20	59	218	99	182	418	357	1,601
Fire/Caustic Burns 890-899, 923-924	148	1	23	21	8	24	32	19	20
Environmental Cause 900-909,925-928	239	1	10	31	15	31	76	31	44
Submerge/Drown 910-910.9	14	2	6	2	0	2	2	0	0
Suffocate/Asphyxia 911-915	37	0	5	8	4	3	7	2	8
Struck/Caught by Object or Person 916-918	356	1	9	40	48	77	133	33	15
Machine/Tool/Appliance 919-921	413	0	9	35	33	108	145	46	37
Suicide Attempts 950-959	115	0	0	4	21	39	37	4	10
Assault 980-989	425	8	6	13	37	159	161	23	18

* Reporting from Clatsop, Clackamas, Columbia, Multnomah, Tillamook, Washington, Deschutes, 35% underreporting.

Table 6-13. INJURY DEATHS BY CAUSE AND AGE,

OREGON OCCURRENCE, AND DEATHS OF OREGON RESIDENTS OUT OF STATE, 1988.

External Cause 9th Revision ICD	Total	<1	1-4	5-14	15-19	20-29	30-49	50-64	65+
Total	1,966	9	44	74	197	364	533	241	504
Motor Vehicle Traffic MVA 810-81 (.0,.1,.4,.5,.8,.9)	613	2	10	22	124	143	162	57	93
Non-traffic MVA 820-825 (.0,.1,.4,.5,.8,.9)	7	0	1	0	1	1	1	1	2
Motorcycle 810-825 (.2,.3)	61	0	0	1	8	32	14	5	1
Pedestrian 810-825(.7), 826.0	98	0	6	13	6	12	16	14	31
Bicyclists 810-825(.6), 826(.1,.2,.3,.4,.8,.9)	19	0	0	9	0	2	7	0	1
Other Transport 827-848	48	0	0	2	3	5	18	11	9
Unintentional Poisoning 850-869.9	53	0	0	0	4	13	26	3	7
Falls 880-888	218	1	0	2	3	4	10	23	175
Fire/Caustic Burns 890-899, 923-924	39	1	4	2	0	3	8	3	18
Environmental Cause 900-909,925-928	34	0	2	1	1	1	2	10	17
Submerge/Drown 910-910.9	65	0	13	6	10	14	14	3	5
Suffocate/Asphyxia 911-915	27	0	0	4	1	5	11	5	1
Struck/Caught by Object or Person 916-918	27	0	0	4	1	5	11	5	1
Machine/Tool/Appliance 919-921	26	0	0	1	1	6	9	5	4
Suicide 950-959	475	0	0	3	28	78	177	81	108
Homicide 960-969	156	4	6	4	7	44	56	15	20

* Because this includes deaths of individuals who lived in other states but died in Oregon the numbers are higher than found in Table 4-6, which includes only residents.

SUICIDE ATTEMPTS

Adolescent Suicide Attempts

INTRODUCTION. One of every eighty Oregon ten-year-olds will attempt suicide before reaching his or her eighteenth birthday. And some will succeed.[1]

Suicide by adolescents has caused increasing concern both nationally and in Oregon. In 1987, the Oregon legislature created a law mandating that hospitals treating a child 17 or younger for injuries resulting from a suicide attempt, report the attempt to the Oregon Health Division. The law also requires that the patient be referred for counseling.

Because the surveillance system identifies only attempters with injuries severe enough to require emergency care, the above figure must be considered a minimum. Additionally, it is likely that not all attempts that should have been reported by hospitals actually were. The magnitude of the undercount is, unfortunately, unknown. The Technical Notes section describes the methodology and limitations of the data in this section.

This new section of *Oregon Vital Statistics* describes the characteristics of Oregon adolescents who attempted suicide during 1988. A brief history of suicide among Oregon teenagers is also included.

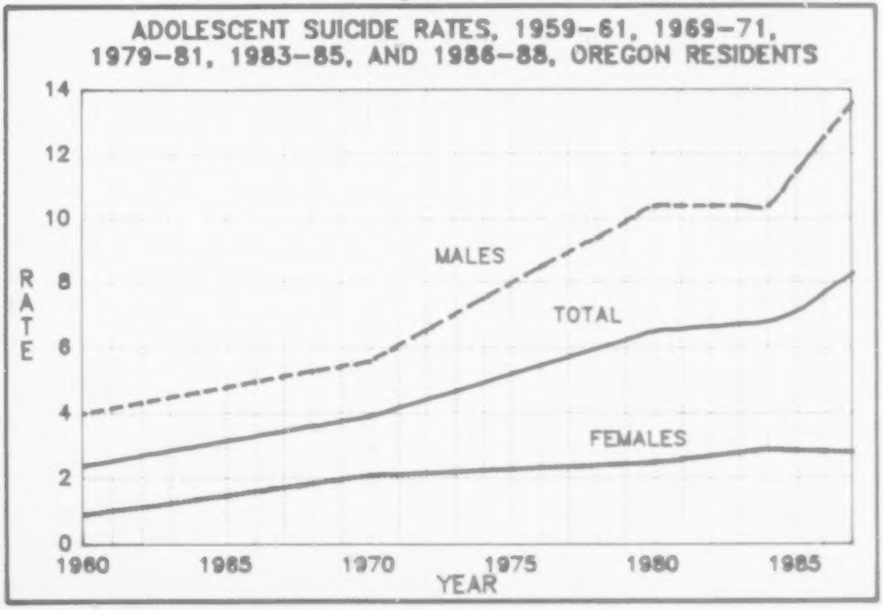
Suicide is second only to unintentional injuries as the leading cause of death among adolescents. During recent decades the suicide rate has soared and is continuing to increase. Sudak, Ford, and Rushford summarized the causes of the increasing teen suicide rates:

> "During the last 25 years, changes in several factors may be associated with the rising rates of adolescent suicide both nationally

1988
Number of Attempts[2]

Age	Male	Female
6	0	1
7	0	0
8	0	0
9	0	0
10	1	3
11	1	2
12	2	15
13	4	52
14	7	85
15	18	130
16	34	132
17	40	110

Figure 7-1.



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1. References to "suicide attempts" refer to events that did not result in death, while "suicide" refers to events ending in death.

2. Eight reports lacked sex or age data.

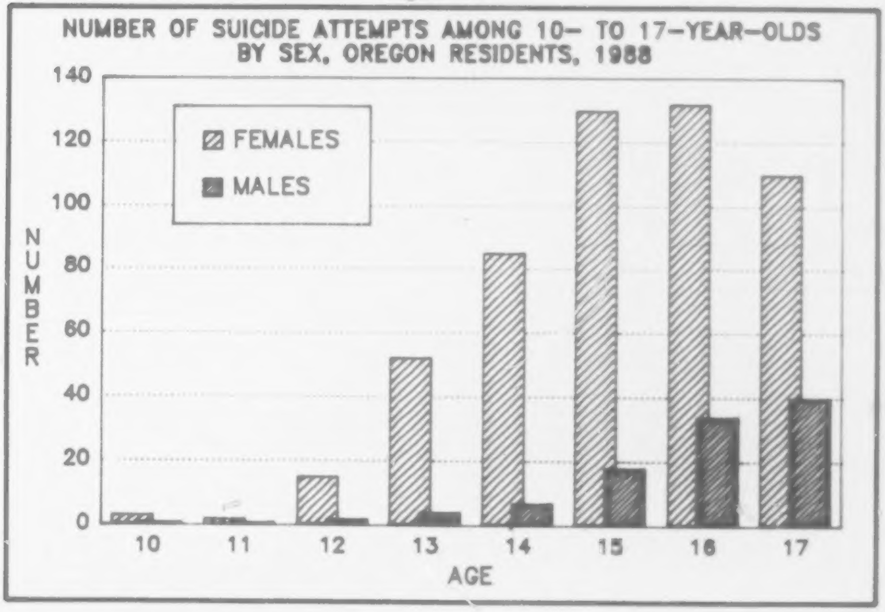
and in large urban communities. Some of these factors have been implicated in previous studies of suicide, factors such as increased population density giving rise to greater competition, failure, and decreased income; alienation due to social disorganization, increased migration and social mobility, deteriorating neighborhoods, rapidly expanding suburbs, increased criminal victimization, and unemployment; family and personal disorganization with increased divorce rates, illegitimate pregnancies, diminished religious and moral values, increased child abuse, exposure to violence in multiple ways; and increased use of alcohol and drugs. Many of these social changes could lead to lowered self-esteem, reduced coping skills and loss of hope."[3]

HISTORICAL TRENDS. During recent decades, the suicide rate among teenagers has scared dramatically. In Oregon, this sharp upward movement abated during the early to mid 1980s. Since then, however, the upward trend has resumed (Figure 7-1). Between 1983-1985 and 1986-1988, the rate increased 22.1 percent. As high as this figure is, it pales compared to the increase since 1959-1961. A teenager in the mid to late 1980s is 3.5 times more likely to take his or her own life than were their counterparts a quarter of a century ago.

The magnitude of the increase is about the same for males and females, but males were, and remain, four to five times as likely to commit suicide. Death rates increased from 4.0 to 13.6 per 100,000 for males and 0.9 to 2.8 for females between 1959-1961 and 1986-1988. During the mid to late 1980s, however, the increase occurred solely among males (Table 7-1).

AGE. The youngest child to attempt suicide was just six years old. This young girl ingested three different types of medication from her mother's medicine cabinet. Her attempt was one of 24 reported to have been made

Figure 7-2.



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[3] Sudak HS, Ford AB, and Rushford NB. "Adolescent Suicide: An Overview," *Amer. J. Psychother.*, 38:350-363,1984.

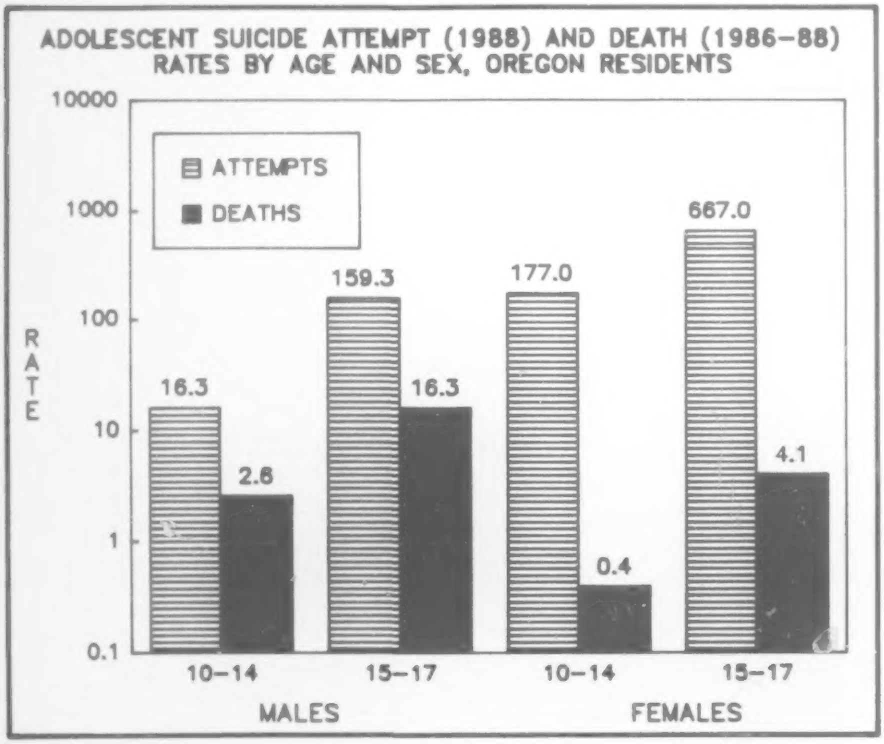
by preteens (i.e., less than 13 years old). In general, the older the child, the greater the risk of suicide attempts. Nearly one-half (49.5 percent) of the attempters were 16 or 17 years old.

SEX. Girls are far more likely to attempt suicide than are boys (Table 7-4). Four-fifths (82.9 percent) of all attempts were by girls. These attempts are, however, far less likely to result in death than are those by boys; four-fifths (80.3 percent) of all adolescent suicides are by boys. One in eleven (9.1 percent) of all attempts by boys result in death but only one in 200 (0.5 percent) attempts by girls ends in death. The risk of death then, among minors attempting suicide, is 18.2 times greater for boys than for girls.

Not only do girls attempt suicide far more frequently than boys, they do so at younger ages (Figure 7-2). Over one-half (54.3 percent) of all attempts by girls occur before age 16 compared to 30.8 percent for boys. The likelihood of death among these young girls is very small (0.4 percent), while 16- and 17-year-old girls are nearly twice (0.7 percent) as likely to die from an attempt as their younger counterparts. For boys, however, although the likelihood of attempting suicide increases with advancing age, the proportion resulting in fatalities decreases (Table 7-5). The percentage of attempts resulting in fatalities declines from 14.6 percent for boys 12 and younger, to 8.5 percent for those 15 to 17 years old. Nonetheless, older boys possess the highest suicide rates (Figure 7-3).

RACE. White adolescents account for most (93.4 percent) of the suicide attempts—they also account for most of the adolescent population (92.8 percent). Because population counts by race and age are made only in census years (most recently 1980), it is not possible to calculate attempt or death rates by race. The data does, however, suggest racial differences

Figure 7-3.



in the likelihood of an attempt to result in death (Table 7-6). Attempts by Indians are most apt to end in death (6.7 percent), while those by African Americans are least apt to be fatal (0.8 percent). These rates should be viewed with *caution*, however, as they are based on very small numbers.

NUMBER OF ATTEMPTS. Over one-fourth (27.5 percent) of all reported attempts were by adolescents who had made previous attempts during the prior 12 months. Repeat attempts were slightly more common among girls (Table 7-7).

METHOD. Many methods were used by adolescents in their attempts, but one, ingestion of drugs, accounted for the vast majority. Drugs were used in three of every four (76.1 percent) attempts. Of the 493 attempts involving drugs, analgesics accounted for one-half (49.3 percent); aspirin and acetaminophen were most commonly used. Most (179) of the other attempts involving drugs were of combinations of drugs or of drugs with alcohol. Cutting and piercing injuries were the second most common method of attempt, accounting for 10.2 percent of the cases; nearly all of these were lacerations of the wrists. The category "other" in Table 7-8 includes mostly attempts by multiple methods. For example, a 16-year-old girl ingested a large quantity of Tylenol, cut her wrists, and then jumped from a second-story window.

The method chosen varies with the age and sex of the attempter. Older adolescents are more likely than their younger counterparts to attempt suicide with suffocation or hanging, cutting or piercing, and jumping from a high place (Table 7-9).

Nearly eight in ten (79.4 percent) of the attempts by girls involved drugs compared to just six in ten (59.1 percent) of those by boys. Boys were far more likely to choose suffocation and hanging; 9.1 percent of their attempts were by this method compared to 0.6 percent of the attempts by girls.

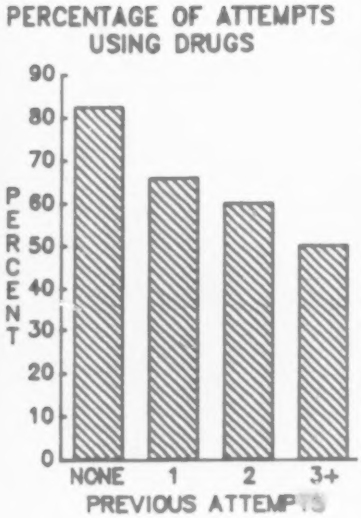


Figure 7-4.

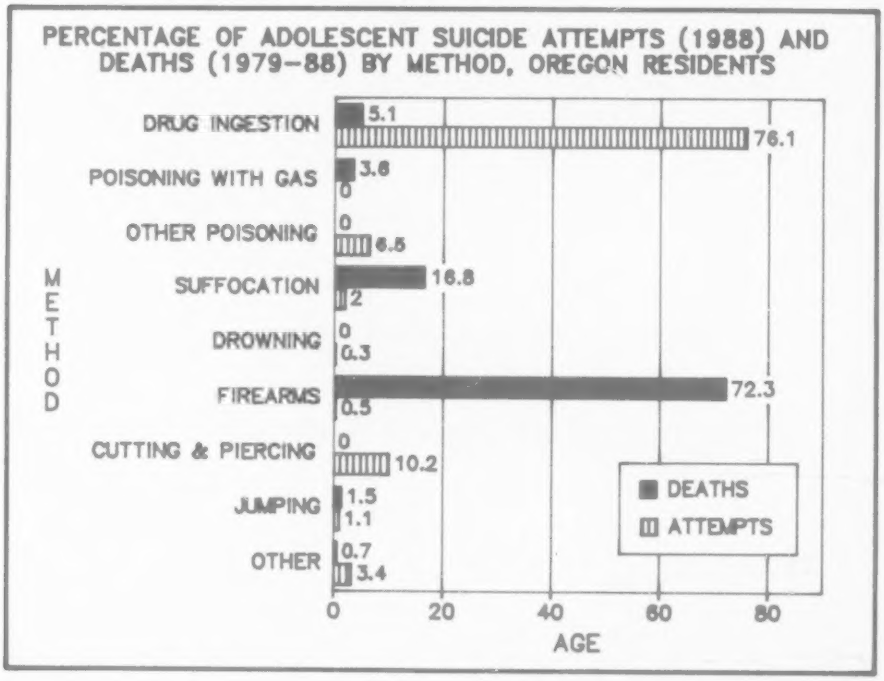
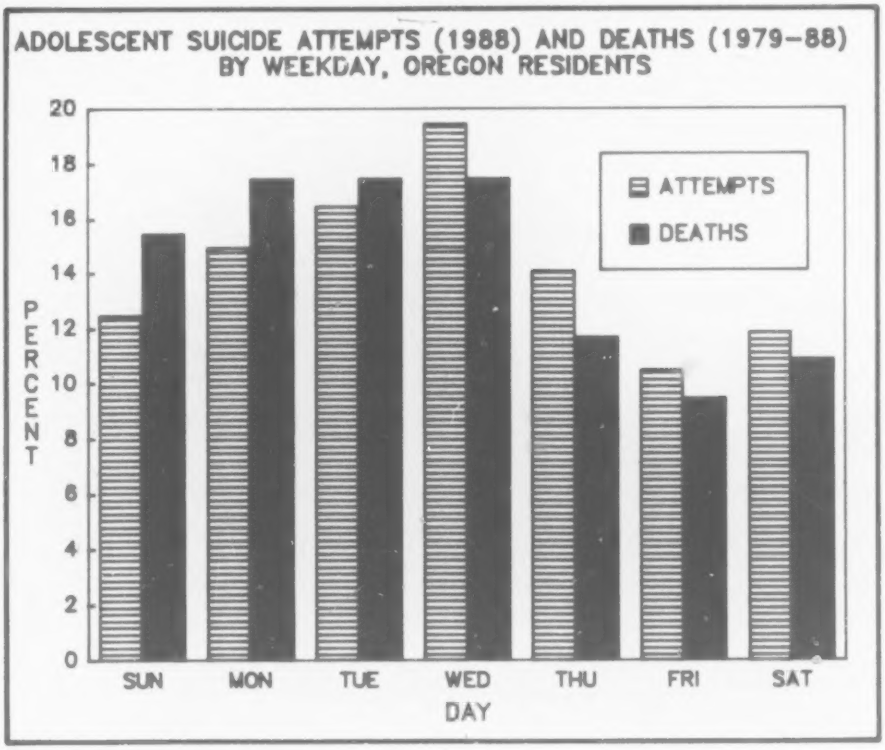


FIGURE 7-5.



Adolescents making their first attempt were more likely to ingest drugs compared with those making a repeat attempt; 86.2 percent of all first attempts involved drugs compared to 62.3 percent of repeat attempts (Table 7-10). The frequency of cutting and piercing is more than twice as high among repeat attempters compared to first attempters, 18.0 and 7.2 percent, respectively. Although this method is, perhaps, more visually dramatic, no adolescent died from these self-inflicted wounds during 1979-1988.

Three-fourths of the attempts involved ingestion of drugs, nevertheless fatalities were relatively few. Only 5.1 percent of the completed suicides were drug-induced (Table 7-11). Firearms were used by 72.3 percent of the completers (Figure 7-4). Ranking second among completers was suffocation and hanging (16.8 percent).

Both male and female completers used firearms about 70 percent of the time (Table 7-12). Firearms were more apt to be used among older adolescents; 58.3 percent of the completers 13 years old or younger used guns compared to 74.2 percent of those who were older.

PLACE OF ATTEMPT. Most (77.6 percent) of the attempts were made in the adolescent's own home while 8.3 percent were made in another's home. Schools were the site of 5.2 percent of the attempts. Two adolescents made attempts while in jail (Table 7-13). Boys were more likely than girls to make the attempt in a public place. Attempters living with both natural parents were slightly more likely to make the attempt at home compared to those in single-parent families, 84.7 percent compared to 80.5 percent.

MONTH AND DAY OF ATTEMPT. More attempts were reported in May (75) than any other month. Spring (March, April, May) appeared to be the season of greatest risk, accounting for 30.4 percent of all attempts and summer the least, with 18.7 percent of the attempts. Among completers, the summer months also accounted for the fewest suicides. Just 16.1 percent of the deaths occurred during June, July, and August. The other three seasons were little different from each other. Both suicide attempts and deaths occurred with the least frequency on Fridays and Saturdays. Suicidal behavior was most pronounced on Mondays, Tuesdays and Wednesdays (Figure 7-5).

PATIENT STATUS. Over one-half (58.3 percent) of all reported attempts were of such seriousness that the attempter was hospitalized. Of these inpatients, 7.6 percent were transferred to another facility. One adolescent attempted suicide while an inpatient.

Neither age nor sex of the attempter makes a difference in the likelihood of hospitalization (Table 7-14). Method of attempt is the best predictor of hospitalization. Of the categories with at least five events, jumping from a high place most often resulted in hospitalization, 85.7 percent. Ranking second was suffocation and hanging (81.8 percent). Cutting and piercing (51.6 percent) was least likely to result in hospitalization (Table 7-15).

HOUSEHOLD COMPOSITION. A plurality (35.4 percent) of the attempts were made by adolescents living with both parents while 29.0 percent were by minors living with their mother (Table 7-16). Ranking third and fourth were attempts made by adolescents living with friends or relatives (10.3 percent), and those under government supervision, such as the Children's Services Division (7.7 percent).

GEOGRAPHIC DISTRIBUTION. Although the average suicide attempt rate for the state was 215.3, the rates for individual counties are highly variable. In seven counties no attempts were reported (Table 7-17); all are east of the Cascade Range and have small populations. However, some counties with larger populations reported few attempts, suggesting that not all hospitals are complying with the law. Alternatively, adolescent attempters in rural areas may be treated in clinics or doctors' offices (where the attempt is not required to reported). However, of 72 hospitals, 25 failed to report for at least three months of 1988.

Figure 7-6 illustrates the geographic distribution of adolescent suicide attempts. While the area at greatest risk appears to be southwest Oregon, the high rates may simply reflect thorough reporting by hospitals in this region.

Adolescents living east of the Cascades were less likely to select poisonings as their method of attempt compared to those living west of the mountains. (It was, nevertheless, the preeminent method chosen.) Adolescent residents of central and eastern Oregon were over twice as likely to make the attempt with cutting and piercing injuries compared to their counterparts living elsewhere in Oregon (Table 7-18).

Figure 7-6.

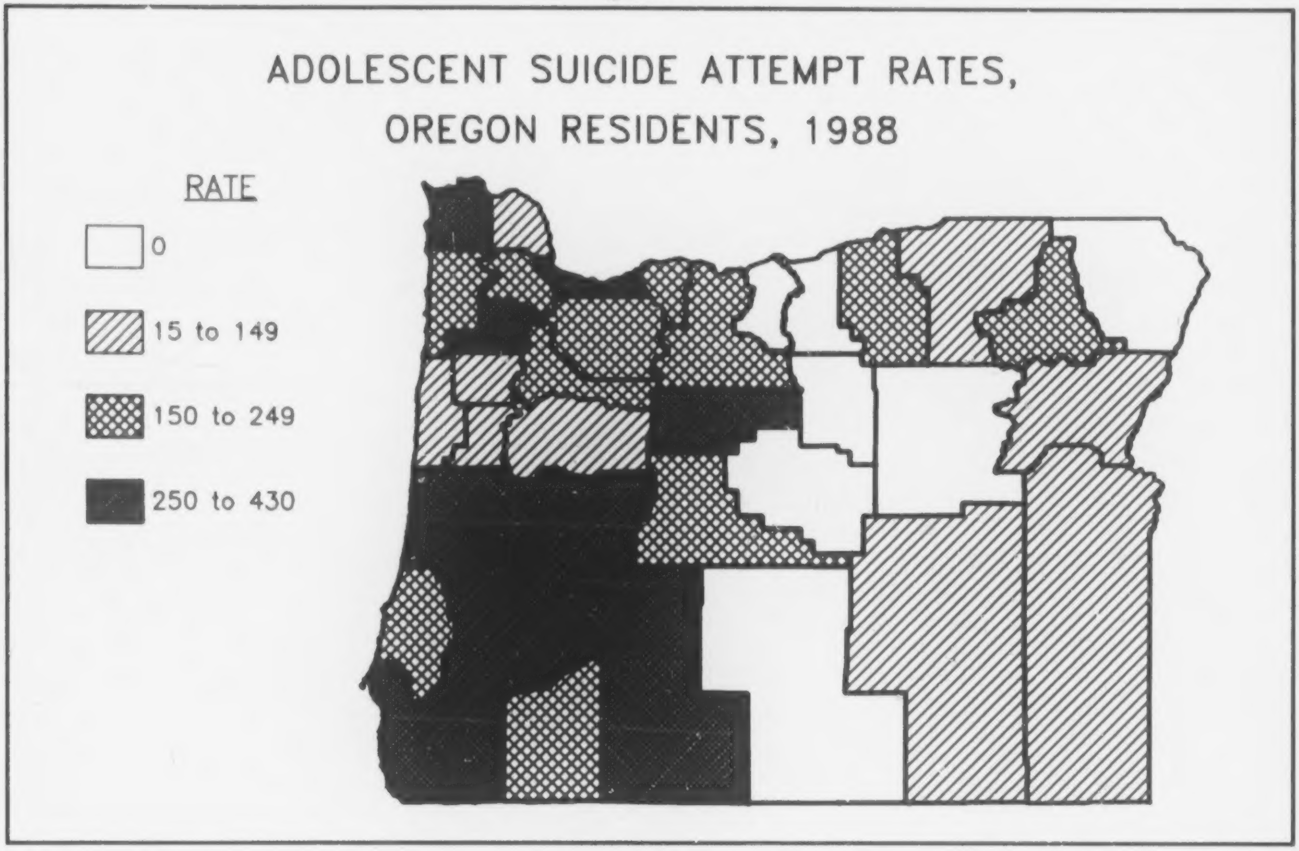

ADOLESCENT SUICIDE ATTEMPT RATES,
OREGON RESIDENTS, 1988
RATE
0
15 to 149
150 to 249
250 to 430

TABLE 7-1. NUMBER OF SUICIDES AMONG OREGON TEENS AND PRETEENS BY AGE AND SEX, 1979-1988

	AGE											
YEAR AND SEX	Total All Ages	Total 10-17	10	11	12	13	14	15	16	17	18	19
1979 Total	22	10	--	--	--	--	1	2	4	3	5	7
Male	19	9	--	--	--	--	--	2	4	3	4	6
Female	3	1	--	--	--	--	1	--	--	--	1	1
1980 Total	35	18	1	--	--	--	2	3	6	6	10	7
Male	31	17	1	--	--	--	2	3	6	5	8	6
Female	4	1	--	--	--	--	--	--	--	1	2	1
1981 Total	31	13	--	--	1	--	1	3	3	5	12	6
Male	22	8	--	--	1	--	--	2	1	4	10	4
Female	9	5	--	--	--	--	1	1	2	1	2	2
1982 Total	26	14	--	--	--	--	3	4	6	1	4	8
Male	20	12	--	--	--	--	3	3	5	1	4	4
Female	6	2	--	--	--	--	--	1	1	--	--	4
1983 Total	19	6	--	--	--	--	--	--	2	4	1	12
Male	16	6	--	--	--	--	--	--	2	4	1	9
Female	3	--	--	--	--	--	--	--	--	--	--	3
1984 Total	25	12	--	1	--	1	2	3	1	4	6	7
Male	18	8	--	1	--	1	2	1	--	3	4	6
Female	7	4	--	--	--	--	--	2	1	1	2	1
1985 Total	36	20	--	2	--	3	2	3	4	6	5	11
Male	29	14	--	2	--	1	1	3	3	4	5	10
Female	7	6	--	--	--	2	1	--	1	2	--	1
1986 Total	34	19	--	--	1	1	2	1	5	9	8	7
Male	30	18	--	--	--	1	2	1	5	9	6	6
Female	4	1	--	--	1	--	--	--	--	--	2	1
1987 Total	23	9	--	--	--	--	1	3	3	2	10	4
Male	19	6	--	--	--	--	1	2	2	1	9	4
Female	4	3	--	--	--	--	--	1	1	1	1	--
1988 Total	35	16	--	--	2	--	1	1	3	9	9	10
Male	28	12	--	--	2	--	1	1	2	6	7	9
Female	7	4	--	--	--	--	--	--	1	3	2	1

TABLE 7-2. NUMBER AND RATE OF TEENAGE SUICIDES BY AGE AND SEX, OREGON RESIDENTS, GROUPED IN THREE-YEAR INTERVALS

PERIOD	NUMBER BY AGE AND SEX								
	TOTAL			10-14 YEARS			15-19 YEARS		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
1959-61	22	18	4	11	9	2	11	9	2
1969-71	48	35	13	5	4	1	43	31	12
1979-81	84	68	16	5	3	2	79	65	14
1983-85	80	63	17	11	8	3	69	55	14
1986-88	92	77	15	8	7	1	84	70	14

PERIOD	RATE BY AGE AND SEX								
	TOTAL			10-14 YEARS			15-19 YEARS		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
1959-61	2.4	4.0	0.9	2.1	3.4	0.8	2.8	4.6	1.0
1969-71	3.9	5.6	2.1	0.8	1.2	0.3	7.0	10.2	3.9
1979-81	6.5	10.4	2.5	0.8	1.0	0.7	11.7	18.9	4.2
1983-85	6.8	10.4	2.9	1.9	2.7	1.1	11.3	17.7	4.7
1986-88	8.3	13.6	2.8	1.5	2.6	0.4	14.5	23.7	5.0

Note: Rates per 100,000 population during midpoint year (1960, 1970, 1980, 1984, and 1987)

TABLE 7-3. SUICIDE ATTEMPTS BY SEX AND AGE, OREGON MINORS, 1988

SEX	TOTAL	AGE			
		<=12	13-14	15-17	N.S.
TOTAL.........	648	25	149	466	8
MALE..........	110	4	11	92	3
FEMALE........	535	21	137	372	5
N.S...........	3	-	1	2	-
ROW PERCENT					
TOTAL.......	100.0%	3.9%	23.0%	71.9%	1.2%
MALE........	100.0	3.6	10.0	83.6	2.7
FEMALE......	100.0	3.9	25.6	69.5	.9
N.S.........	100.0	-	33.3	66.7	-
COLUMN PERCENT					
TOTAL.......	100.0	100.0	100.0	100.0	100.0
MALE........	17.0	16.0	7.4	19.7	37.5
FEMALE......	82.6	84.0	91.9	79.8	62.5
N.S.........	.5	-	.7	.4	-

NOTE: - INDICATES QUANTITY EQUALS ZERO.

TABLE 7-4. ADOLESCENT SUICIDE ATTEMPT (1988) AND DEATH (1986-1988) RATES BY SEX AND AGE, OREGON RESIDENTS

			SEX			
	TOTAL		MALES		FEMALES	
AGE	ATTEMPTS	DEATHS	ATTEMPTS	DEATHS	ATTEMPTS	DEATHS
TOTAL	215.0*	5.0**	71.6	8.0	366.2	1.9
10-14	94.6	1.5	16.3	2.6	177.0	0.4
15-17	407.8	10.4	159.3	16.3	667.0	4.1

* Does not include an attempt by a six-year-old child.

** Death rates are based on 1987 population estimates.

TABLE 7-5. PERCENTAGE OF ADOLESCENT SUICIDE ATTEMPTS RESULTING IN DEATH BY AGE AND SEX, OREGON RESIDENTS

		SEX	
AGE	TOTALS	Males	Females
TOTAL	2.1	9.1	0.5
≤ 12	3.1	14.6	0.5
13-14	1.3	11.6	0.4
15-17	2.3	8.5	0.6

Note: Attempters with unknown ages are assigned to age groups in proportion to known values. Attempt data is for 1988. Death data is annualized, based on suicides during 1979-1988.

TABLE 7-6. ADOLESCENT SUICIDE ATTEMPTS, DEATHS AND PERCENTAGE OF ATTEMPTS RESULTING IN DEATH, BY RACE, OREGON RESIDENTS.

RACE	ATTEMPTS (1988)	DEATHS (1979-88)	ANNUALIZED PERCENT
White	605	129	2.1
African American	24	2	0.8
Indian	6	4	6.3
Other	13	2	1.5

TABLE 7-7. SUICIDE ATTEMPTS BY SEX AND NUMBER OF ATTEMPTS IN THE PREVIOUS YEAR, OREGON MINORS, 1988

SEX	TOTAL	0	1	2	3	4	5	6	7	8	YES BUT # UNK.	N.S.
TOTAL.........	648	321	82	20	3	1	2	-	-	-	14	205
MALE..........	110	56	12	2	-	-	1	-	-	-	2	37
FEMALE........	535	262	70	18	3	1	1	-	-	-	12	168
N.S...........	3	3	-	-	-	-	-	-	-	-	-	-
ROW PERCENT												
TOTAL.......	100.0%	49.5%	12.7%	3.1%	.5%	.2%	.3%	-	-	-	2.2%	31.6%
MALE........	100.0	50.9	10.9	1.8	-	-	.9	-	-	-	1.8	33.6
FEMALE......	100.0	49.0	13.1	3.4	.6	.2	.2	-	-	-	2.2	31.4
N.S.........	100.0	100.0	-	-	-	-	-	-	-	-	-	-
COLUMN PERCENT												
TOTAL.......	100.0	100.0	100.0	100.0	100.0	100.0	100.0	-	-	-	100.0	100.0
MALE........	17.0	17.4	14.6	10.0	-	-	50.0	-	-	-	14.3	18.0
FEMALE......	82.6	81.6	85.4	90.0	100.0	100.0	50.0	-	-	-	85.7	82.0
N.S.........	.5	.9	-	-	-	-	-	-	-	-	-	-

NOTE: - INDICATES QUANTITY EQUALS ZERO.

TABLE 7-8. SUICIDE ATTEMPTS BY SEX AND METHOD, OREGON MINORS, 1988

METHOD OF ATTEMPT	TOTAL	SEX		
		MALE	FEMALE	N.S.
TOTAL	648	110	535	3
POISONING, DRUGS	493	65	425	3
POISONING, SOLIDS & LIQUIDS	42	8	34	-
POISONING, GAS	-	-	-	-
SUFFOCATION AND HANGING	13	10	3	-
DROWNING	2	1	1	-
FIREARMS	3	1	2	-
CUTTING AND PIERCING	66	15	51	-
JUMPING FROM A HIGH PLACE	7	4	3	-
OTHER	22	6	16	-
ROW PERCENT				
TOTAL	100.0%	17.0%	82.6%	.5%
POISONING, DRUGS	100.0	13.2	86.2	.6
POISONING, SOLIDS & LIQUIDS	100.0	19.0	81.0	-
POISONING, GAS	-	-	-	-
SUFFOCATION AND HANGING	100.0	76.9	23.1	-
DROWNING	100.0	50.0	50.0	-
FIREARMS	100.0	33.3	66.7	-
CUTTING AND PIERCING	100.0	22.7	77.3	-
JUMPING FROM A HIGH PLACE	100.0	57.1	42.9	-
OTHER	100.0	27.3	72.7	-
COLUMN PERCENT				
TOTAL	100.0	100.0	100.0	100.0
POISONING, DRUGS	76.1	59.1	79.4	100.0
POISONING, SOLIDS & LIQUIDS	6.5	7.3	6.4	-
POISONING, GAS	-	-	-	-
SUFFOCATION AND HANGING	2.0	9.1	.6	-
DROWNING	.3	.9	.2	-
FIREARMS	.5	.9	.4	-
CUTTING AND PIERCING	10.2	13.6	9.5	-
JUMPING FROM A HIGH PLACE	1.1	3.6	.6	-
OTHER	3.4	5.5	3.0	-

NOTE: - INDICATES QUANTITY EQUALS ZERO.

TABLE 7-9. SUICIDE ATTEMPTS BY METHOD AND AGE, OREGON MINORS, 1988

METHOD OF ATTEMPT	TOTAL	AGE			
		<=12	13-14	15-17	N.S.
TOTAL........................	648	25	149	466	8
POISONING, DRUGS...............	493	20	117	352	4
POISONING, SOLIDS & LIQUIDS....	42	2	12	25	3
POISONING, GAS.................	-	-	-	-	-
SUFFOCATION AND HANGING........	13	-	2	10	1
DROWNING.......................	2	-	1	1	-
FIREARMS.......................	3	-	-	3	-
CUTTING AND PIERCING...........	66	1	14	51	-
JUMPING FROM A HIGH PLACE......	7	-	-	7	-
OTHER..........................	22	2	3	17	-
ROW PERCENT					
TOTAL........................	100.0%	3.9%	23.0%	71.9%	1.2%
POISONING, DRUGS.............	100.0	4.1	23.7	71.4	.8
POISONING, SOLIDS & LIQUIDS..	100.0	4.8	28.6	59.5	7.1
POISONING, GAS...............	-	-	-	-	-
SUFFOCATION AND HANGING......	100.0	-	15.4	76.9	7.7
DROWNING.....................	100.0	-	50.0	50.0	-
FIREARMS.....................	100.0	-	-	100.0	-
CUTTING AND PIERCING.........	100.0	1.5	21.2	77.3	-
JUMPING FROM A HIGH PLACE....	100.0	-	-	100.0	-
OTHER........................	100.0	9.1	13.6	77.3	-
COLUMN PERCENT					
TOTAL........................	100.0	100.0	100.0	100.0	100.0
POISONING, DRUGS.............	76.1	80.0	78.5	75.5	50.0
POISONING, SOLIDS & LIQUIDS..	6.5	8.0	8.1	5.4	37.5
POISONING, GAS...............	-	-	-	-	-
SUFFOCATION AND HANGING......	2.0	-	1.3	2.1	12.5
DROWNING.....................	.3	-	.7	.2	-
FIREARMS.....................	.5	-	-	.6	-
CUTTING AND PIERCING.........	10.2	4.0	9.4	10.9	-
JUMPING FROM A HIGH PLACE....	1.1	-	-	1.5	-
OTHER........................	3.4	8.0	2.0	3.6	-

NOTE: - INDICATES QUANTITY EQUALS ZERO.

TABLE 7-10. SUICIDE ATTEMPTS BY METHOD AND ATTEMPTS DURING THE PREVIOUS YEAR, OREGON MINORS, 1988

METHOD OF ATTEMPT	TOTAL	PREVIOUS ATTEMPTS		
		NO PREVIOUS ATTEMPTS	PREVIOUS ATTEMPTS	NOT STATED
TOTAL	648	321	122	205
POISONING, DRUGS	493	265	76	152
POISONING, SOLIDS & LIQUIDS	42	19	9	14
POISONING, GAS	-	-	-	-
SUFFOCATION AND HANGING	13	4	3	6
DROWNING	2	-	1	1
FIREARMS	3	2	1	-
CUTTING AND PIERCING	66	23	22	21
JUMPING FROM A HIGH PLACE	7	6	1	-
OTHER	22	2	9	11
ROW PERCENT				
TOTAL	100.0%	49.5%	18.8%	31.6%
POISONING, DRUGS	100.0	53.8	15.4	30.8
POISONING, SOLIDS & LIQUIDS	100.0	45.2	21.4	33.3
POISONING, GAS	-	-	-	-
SUFFOCATION AND HANGING	100.0	30.8	23.1	46.2
DROWNING	100.0	-	50.0	50.0
FIREARMS	100.0	66.7	33.3	-
CUTTING AND PIERCING	100.0	34.8	33.3	31.8
JUMPING FROM A HIGH PLACE	100.0	85.7	14.3	-
OTHER	100.0	9.1	40.9	50.0
COLUMN PERCENT				
TOTAL	100.0	100.0	100.0	100.0
POISONING, DRUGS	76.1	82.6	62.3	74.1
POISONING, SOLIDS & LIQUIDS	6.5	5.9	7.4	6.8
POISONING, GAS	-	-	-	-
SUFFOCATION AND HANGING	2.0	1.2	2.5	2.9
DROWNING	.3	-	.8	.5
FIREARMS	.5	.6	.8	-
CUTTING AND PIERCING	10.2	7.2	18.0	10.2
JUMPING FROM A HIGH PLACE	1.1	1.9	.8	-
OTHER	3.4	.6	7.4	5.4

NOTE: - INDICATES QUANTITY EQUALS ZERO.

TABLE 7-11. PERCENTAGE OF ADOLESCENT SUICIDE ATTEMPTS AND DEATHS BY METHOD, OREGON RESIDENTS

METHOD	ATTEMPTERS (1988)	COMPLETERS (1979-88)
Poisoning, drugs	76.1	5.1
Other liquid and solid poisoning	6.5	0
Poisoning with gas	0	3.6
Suffocation and hanging	2.0	16.8
Drowning	0.3	0
Firearms	0.5	72.3
Cutting and piercing	10.2	0
Jumping from a high place	1.1	1.5
Other	3.4	0.7

TABLE 7-12. SUICIDE DEATHS BY SEX AND METHOD, OREGON MINORS, 1979-1988

		SEX	
METHOD	TOTAL	Male	Female
Total	137	110	27
Poisoning, Drugs	7	3	4
Poisoning with gas	5	5	--
Suffocation by hanging	23	21	2
Firearms	99	80	19
Jumping from a high place	2	1	1
Other	1	--	1

TABLE 7-13. SUICIDE ATTEMPTS BY SEX AND PLACE OF ATTEMPT, OREGON MINORS, 1988

SEX	TOTAL	PLACE OF ATTEMPT									
		OWN HOME	ANOTHER'S HOME	SCHOOL	JAIL	OTHER INSTITUTION	PUBLIC PLACE	FOSTER HOME	STREET	OTHER	N.S.
TOTAL.........	648	403	43	27	2	9	12	8	8	7	129
MALE..........	110	59	6	5	2	4	8	-	2	2	22
FEMALE........	535	342	37	22	-	5	4	8	6	5	106
N.S...........	3	2	-	-	-	-	-	-	-	-	1
ROW PERCENT											
TOTAL.......	100.0%	62.2%	6.6%	4.2%	.3%	1.4%	1.9%	1.2%	1.2%	1.1%	19.9%
MALE........	100.0	53.6	5.5	4.5	1.8	3.6	7.3	-	1.8	1.8	20.0
FEMALE......	100.0	63.9	6.9	4.1	-	.9	.7	1.5	1.1	.9	19.8
N.S.........	100.0	66.7	-	-	-	-	-	-	-	-	33.3
COLUMN PERCENT											
TOTAL.......	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
MALE........	17.0	14.6	14.0	18.5	100.0	44.4	66.7	-	25.0	28.6	17.1
FEMALE......	82.6	84.9	86.0	81.5	-	55.6	33.3	100.0	75.0	71.4	82.2
N.S.........	.5	.5	-	-	-	-	-	-	-	-	.8

NOTE: - INDICATES QUANTITY EQUALS ZERO.

TABLE 7-14. SUICIDE ATTEMPTS BY SEX AND PATIENT STATUS, OREGON MINORS, 1988

SEX	TOTAL	PATIENT STATUS				
		INPATIENT	OUTPATIENT	TRANSFERRED	ALREADY AN INPATIENT	NOT STATED
TOTAL.........	648	326	252	27	1	42
MALE..........	110	55	45	3	-	7
FEMALE........	535	271	207	24	1	32
N.S...........	3	-	-	-	-	3
ROW PERCENT						
TOTAL.......	100.0%	50.3%	38.9%	4.2%	.2%	6.5%
MALE........	100.0	50.0	40.9	2.7	-	6.4
FEMALE......	100.0	50.7	38.7	4.5	.2	6.0
N.S.........	100.0	-	-	-	-	100.0
COLUMN PERCENT						
TOTAL.......	100.0	100.0	100.0	100.0	100.0	100.0
MALE........	17.0	16.9	17.9	11.1	-	16.7
FEMALE......	82.6	83.1	82.1	88.9	100.0	76.2
N.S.........	.5	-	-	-	-	7.1

NOTE: - INDICATES QUANTITY EQUALS ZERO.

TABLE 7-15. SUICIDE ATTEMPTS BY METHOD AND PATIENT STATUS, OREGON MINORS, 1988

METHOD OF ATTEMPT	TOTAL	PATIENT STATUS				
		INPATIENT	OUTPATIENT	TRANS-FERRED	ALREADY AN INPATIENT	NOT STATED
TOTAL	648	326	252	27	1	42
POISONING, DRUGS	493	243	197	19	-	34
POISONING, SOLIDS & LIQUIDS	42	25	11	3	-	3
POISONING, GAS	-	-	-	-	-	-
SUFFOCATION AND HANGING	13	7	2	2	-	2
DROWNING	2	1	-	1	-	-
FIREARMS	3	1	2	-	-	-
CUTTING AND PIERCING	66	32	31	1	-	2
JUMPING FROM A HIGH PLACE	7	6	1	-	-	-
OTHER	22	11	8	1	1	1
ROW PERCENT						
TOTAL	100.0%	50.3%	38.9%	4.2%	.2%	6.5%
POISONING, DRUGS	100.0	49.3	40.0	3.9	-	6.9
POISONING, SOLIDS & LIQUIDS	100.0	59.5	26.2	7.1	-	7.1
POISONING, GAS	-	-	-	-	-	-
SUFFOCATION AND HANGING	100.0	53.8	15.4	15.4	-	15.4
DROWNING	100.0	50.0	-	50.0	-	-
FIREARMS	100.0	33.3	66.7	-	-	-
CUTTING AND PIERCING	100.0	48.5	47.0	1.5	-	3.0
JUMPING FROM A HIGH PLACE	100.0	85.7	14.3	-	-	-
OTHER	100.0	50.0	36.4	4.5	4.5	4.5
COLUMN PERCENT						
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0
POISONING, DRUGS	76.1	74.5	78.2	70.4	-	81.0
POISONING, SOLIDS & LIQUIDS	6.5	7.7	4.4	11.1	-	7.1
POISONING, GAS	-	-	-	-	-	-
SUFFOCATION AND HANGING	2.0	2.1	.8	7.4	-	4.8
DROWNING	.3	.3	-	3.7	-	-
FIREARMS	.5	.3	.8	-	-	-
CUTTING AND PIERCING	10.2	9.8	12.3	3.7	-	4.8
JUMPING FROM A HIGH PLACE	1.1	1.8	.4	-	-	-
OTHER	3.4	3.4	3.2	3.7	100.0	2.4

NOTE: - INDICATES QUANTITY EQUALS ZERO.

TABLE 7-16. SUICIDE ATTEMPTS BY AGE AND FAMILY LIVING SITUATION, OREGON MINORS, 1988

METHOD OF ATTEMPT	TOTAL	AGE			
		<=12	13-14	15-17	N.S.
TOTAL	648	25	149	466	8
BOTH PARENTS	189	6	49	132	2
FATHER ONLY	29	1	9	19	-
MOTHER ONLY	155	9	43	101	2
FATHER & STEPMOTHER	7	-	2	5	-
MOTHER & STEPFATHER	37	3	5	29	-
OTHER RELATIVES	25	2	6	17	-
FRIENDS	30	-	1	29	-
FOSTER PARENTS, CSD, ETC	41	2	7	31	1
OTHER	21	-	-	21	-
TOTAL	114	2	27	82	3
ROW PERCENT					
Total	100.0%	3.9%	23.0%	71.9%	1.2%
BOTH PARENTS	100.0	3.2	25.9	69.8	1.1
FATHER ONLY	100.0	3.4	31.0	65.5	-
MOTHER ONLY	100.0	5.8	27.7	65.2	1.3
FATHER & STEPMOTHER	100.0	-	28.6	71.4	-
MOTHER & STEPFATHER	100.0	8.1	13.5	78.4	-
OTHER RELATIVES	100.0	8.0	24.0	68.0	-
FRIENDS	100.0	-	3.3	96.7	-
FOSTER PARENTS, CSD, ETC	100.0	4.9	17.1	75.6	2.4
TOTAL	100.0	-	-	100.0	-
N.S	100.0	1.8	23.7	71.9	2.6
COLUMN PERCENT					
Total	100.0	100.0	100.0	100.0	100.0
BOTH PARENTS	29.2	24.0	32.9	28.3	25.0
FATHER ONLY	4.5	4.0	6.0	4.1	-
MOTHER ONLY	23.9	36.0	28.9	21.7	25.0
FATHER & STEPMOTHER	1.1	-	1.3	1.1	-
MOTHER & STEPFATHER	5.7	12.0	3.4	6.2	-
OTHER RELATIVES	3.9	8.0	4.0	3.6	-
FRIENDS	4.6	-	.7	6.2	-
FOSTER PARENTS, CSD, ETC	6.3	8.0	4.7	6.7	12.5
OTHER	3.2	-	-	4.5	-
N.S	17.6	8.0	18.1	17.6	37.5

NOTE: - INDICATES QUANTITY EQUALS ZERO.

TABLE 7-17. SUICIDE ATTEMPTS BY SEX, AGE, AND RESIDENCE COUNTY, OREGON MINORS, 1988

COUNTY OF RESIDENCE	TOTAL	ATTEMPT RATE	AGE											
			<=12			13-14			15-17			NOT STATED		
			M	F	NS	M	F	NS	M	F	NS	M	F	NS
TOTAL.........	648	215.3	4	21	-	11	137	1	92	372	2	3	5	-
BAKER.........	2	119.9	-	-	-	-	-	-	-	2	-	-	-	-
BENTON........	1	15.0	-	-	-	-	1	-	-	-	-	-	-	-
CLACKAMAS.....	50	149.1	-	3	-	-	8	-	4	34	-	-	1	-
CLATSOP.......	14	393.9	-	-	-	-	3	-	1	10	-	-	-	-
COLUMBIA......	4	79.3	-	-	-	-	1	-	-	3	-	-	-	-
COOS..........	15	218.4	1	-	-	-	2	-	4	8	-	-	-	-
CROOK.........	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CURRY.........	4	250.8	-	-	-	-	2	-	-	2	-	-	-	-
DESCHUTES.....	19	235.4	-	-	-	1	6	-	3	8	-	1	-	-
DOUGLAS.......	39	341.4	1	-	-	-	7	-	6	23	1	1	-	-
GILLIAM.......	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRANT.........	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HARNEY........	1	97.0	-	-	-	-	-	-	-	1	-	-	-	-
HOOD RIVER....	4	213.9	-	-	-	-	-	-	-	4	-	-	-	-
JACKSON.......	30	185.2	-	2	-	1	7	-	3	17	-	-	-	-
JEFFERSON.....	6	381.0	-	-	-	-	3	-	-	2	-	-	1	-
JOSEPHINE.....	17	254.6	-	1	-	-	3	-	3	10	-	-	-	-
KLAMATH.......	29	426.3	-	-	-	-	7	-	6	16	-	-	-	-
LAKE..........	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LANE..........	78	263.0	1	3	-	-	15	-	8	51	-	-	-	-
LINCOLN.......	2	55.7	-	-	-	-	-	-	-	2	-	-	-	-
LINN..........	12	112.8	-	1	-	-	-	-	2	9	-	-	-	-
MALHEUR.......	3	89.0	-	-	-	1	-	1	-	1	-	-	-	-
MARION........	58	239.7	1	1	-	2	10	-	10	33	-	-	1	-
MORROW........	2	195.7	-	-	-	-	-	-	-	2	-	-	-	-
MULTNOMAH.....	131	256.9	-	6	-	3	31	-	24	64	1	-	2	-
POLK..........	5	95.1	-	-	-	-	-	-	-	5	-	-	-	-
SHERMAN.......	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TILLAMOOK.....	4	185.5	-	-	-	-	-	-	-	4	-	-	-	-
UMATILLA......	8	115.6	-	-	-	-	4	-	-	4	-	-	-	-
UNION.........	6	199.8	-	-	-	-	2	-	2	2	-	-	-	-
WALLOWA.......	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WASCO.........	5	202.8	-	-	-	-	2	-	1	2	-	-	-	-
WASHINGTON....	76	231.2	-	4	-	3	17	-	11	40	-	1	-	-
WHEELER.......	-	-	-	-	-	-	-	-	-	-	-	-	-	-
YAMHILL.......	22	290.7	-	-	-	-	6	-	4	12	-	-	-	-

NOTE: - INDICATES QUANTITY EQUALS ZERO.
RATES PER 100,000 10- TO 17-YEAR-OLDS.
MULTNOMAH COUNTY RATE INCLUDES ONE SIX-YEAR-OLD.

TABLE 7-18. SUICIDE ATTEMPTS BY METHOD AND REGION OF ATTEMPT, OREGON MINORS, 1988

METHOD OF ATTEMPT	TOTAL	REGION			
		TRI-COUNTY	WESTERN OREGON	EASTERN OREGON	NOT STATED
TOTAL	648	257	305	85	1
POISONING, DRUGS	493	193	242	57	1
POISONING, SOLIDS & LIQUIDS	42	24	15	3	-
POISONING, GAS	-	-	-	-	-
SUFFOCATION AND HANGING	13	4	8	1	-
DROWNING	2	1	1	-	-
FIREARMS	3	2	-	1	-
CUTTING AND PIERCING	66	23	25	18	-
JUMPING FROM A HIGH PLACE	7	3	3	1	-
OTHER	22	7	11	4	-
ROW PERCENT					
TOTAL	100.0%	39.7%	47.1%	13.1%	.2%
POISONING, DRUGS	100.0	39.1	49.1	11.6	.2
POISONING, SOLIDS & LIQUIDS	100.0	57.1	35.7	7.1	-
POISONING, GAS	-	-	-	-	-
SUFFOCATION AND HANGING	100.0	30.8	61.5	7.7	-
DROWNING	100.0	50.0	50.0	-	-
FIREARMS	100.0	66.7	-	33.3	-
CUTTING AND PIERCING	100.0	34.8	37.9	27.3	-
JUMPING FROM A HIGH PLACE	100.0	42.9	42.9	14.3	-
OTHER	100.0	31.8	50.0	18.2	-
COLUMN PERCENT					
TOTAL	100.0	100.0	100.0	100.0	100.0
POISONING, DRUGS	76.1	75.1	79.3	67.1	100.0
POISONING, SOLIDS & LIQUIDS	6.5	9.3	4.9	3.5	-
POISONING, GAS	-	-	-	-	-
SUFFOCATION AND HANGING	2.0	1.6	2.6	1.2	-
DROWNING	.3	.4	.3	-	-
FIREARMS	.5	.8	-	1.2	-
CUTTING AND PIERCING	10.2	8.9	8.2	21.2	-
JUMPING FROM A HIGH PLACE	1.1	1.2	1.0	1.2	-
OTHER	3.4	2.7	3.6	4.7	-

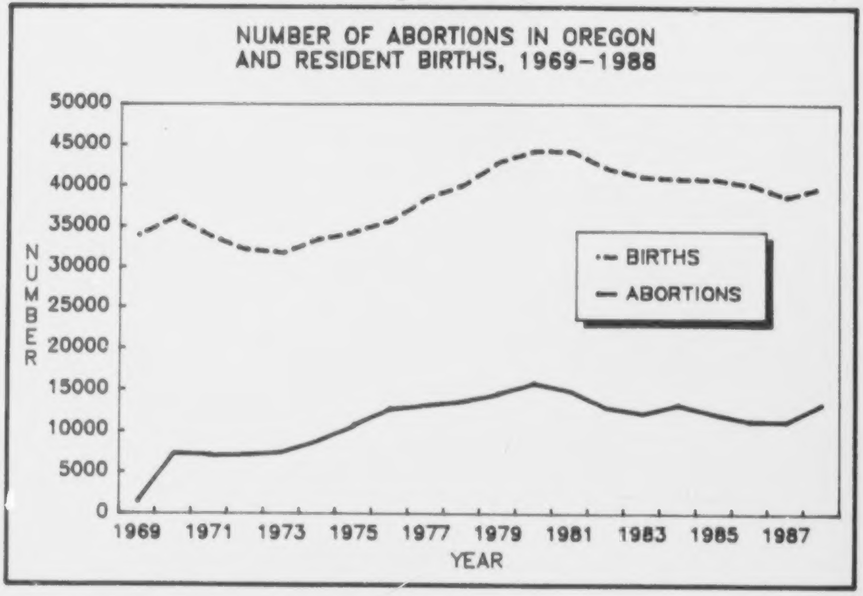
NOTE: - INDICATES QUANTITY EQUALS ZERO.

INDUCED TERMINATIONS

Induced Terminations of Pregnancy

CURRENT TRENDS. During 1988, 13,309 induced terminations of pregnancy occurred in Oregon. This reversed the trend observed since 1980 of a declining number of abortions (Figure 8-1). The increase of 19.4 percent over 1987[1] remains 15.4 percent below the 15,735 abortions reported in 1980. Out-of-state residents accounted for 1,221 of the 1988 abortions. An unknown number of Oregonians sought such services elsewhere.

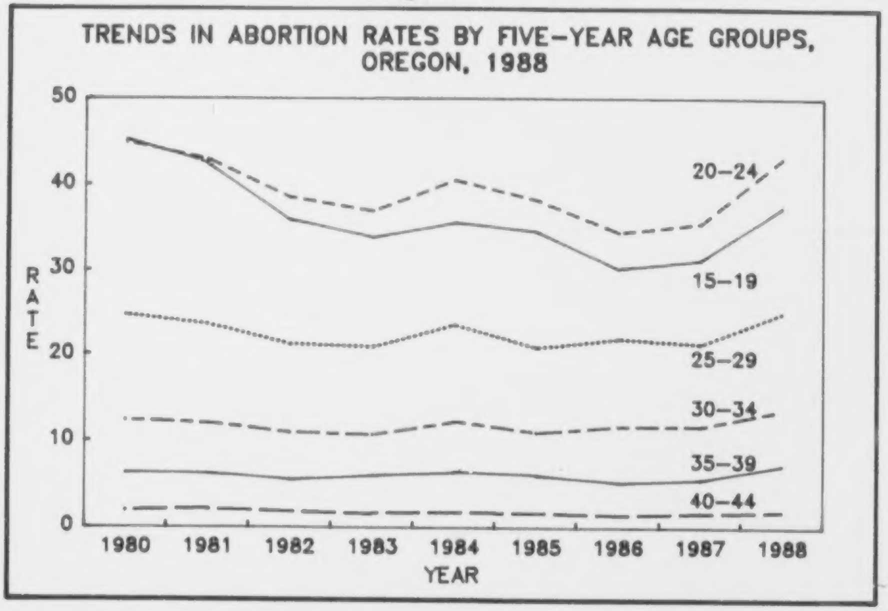
Figure 8-1.



The *rate* of abortions increased to 20.5 per 1,000 women of childbearing age from 17.5 in 1987, an increase of 17.7 percent. Increased rates of 15 to 27 percent were observed for *all* age groups (Figure 8-2). Still, the overall abortion rate of 1988 remains 18 percent below that of 1980.

AGE. The rate of abortion is highest among young women. During 1988, 18- to 19-year-olds had an abortion rate of 52.8 per 1,000; that of 20- to

Figure 8-2.



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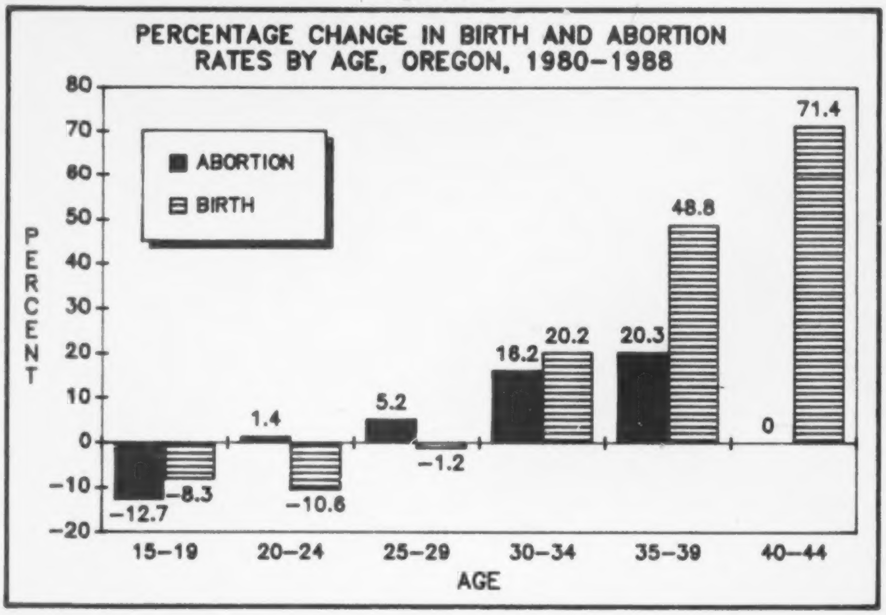
[1] A review of reports by providers indicates that as much as 15 percent of this increase may be due to improved reporting by providers in 1988.

Figure 8-3.



24-year-olds was 42.9 per 1,000. That is, more than one out of every 25 women in their late teens or early 20s sought abortion services during the year. When young women (15-24 years) are compared to those in their later childbearing years (35-44), a sharp contrast appears: although there are over 10 percent more women in the older group, the young women account for seven and a half times more induced terminations (56.5 versus 7.8 percent).

Changes in both abortion and birth rates were also different for various age groups (Figure 8-3). Current rates among teen women remain below those of 1980; whereas, older women experienced more births as well as abortions. Although the estimated number of women of childbearing age

Figure 8-4.

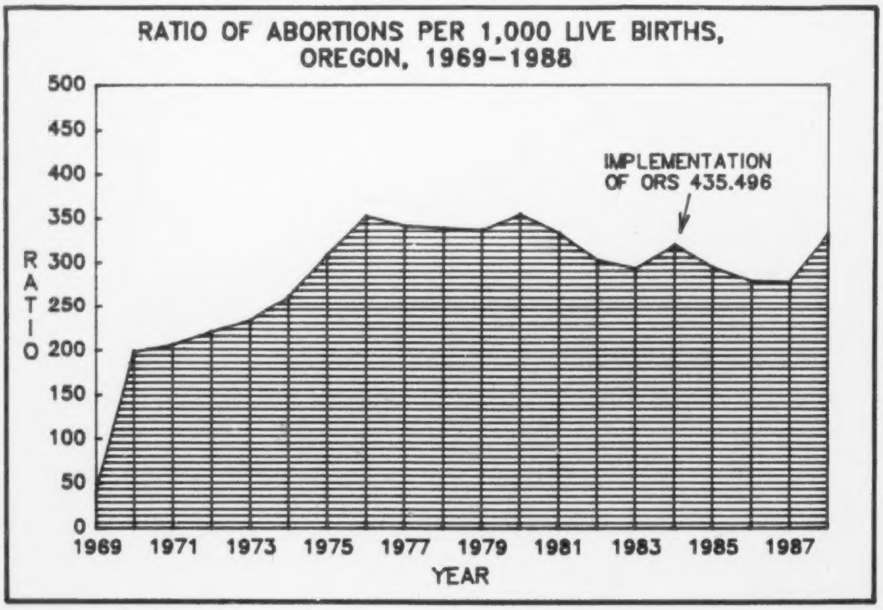
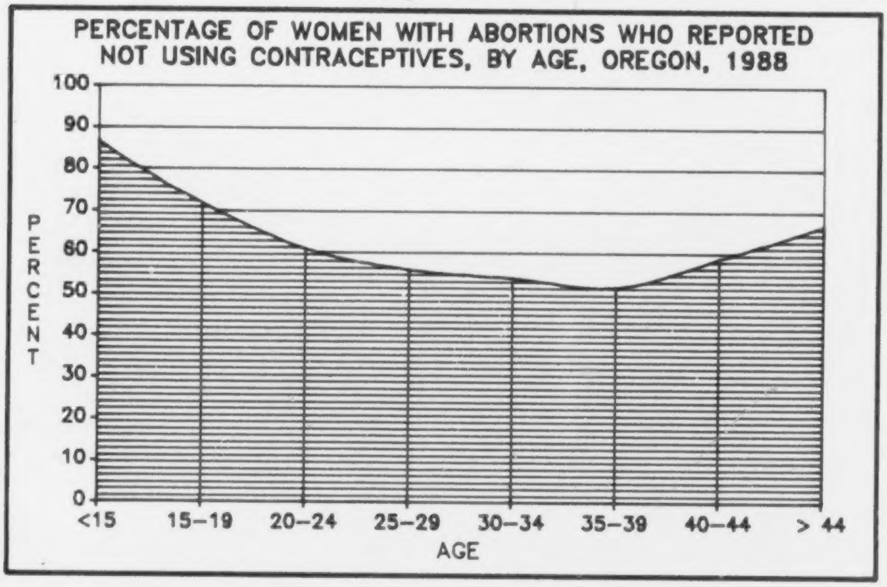


Figure 8-5.



increased by about 1.5 percent since 1987, that of women under 30 years of age—those which accounted for four out of every five abortions—increased by only 0.3 percent. Thus, the increased number of abortions in 1988 is not due to simple population increases.

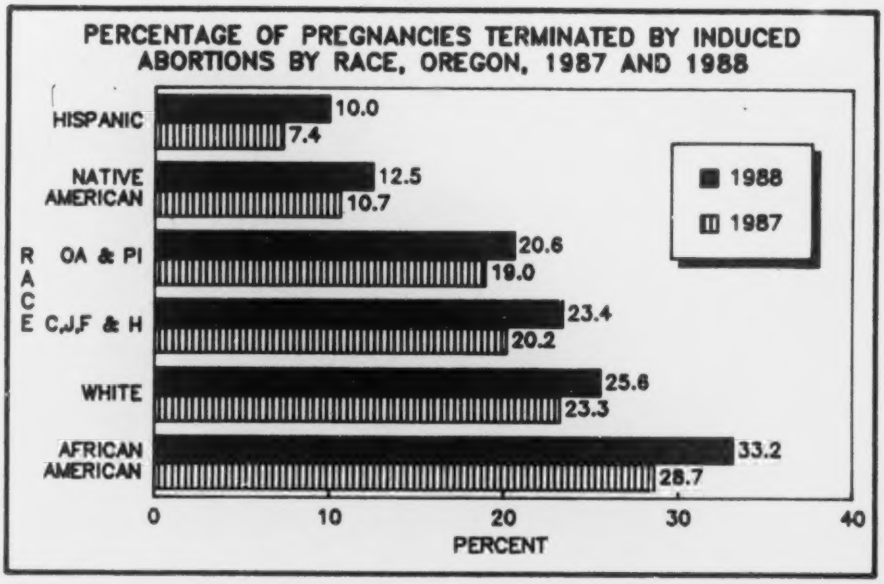
PREGNANCY OUTCOMES. After 1980, the ratio of abortions to births declined—especially among younger women. In 1988 this trend was reversed for all age groups except those 40 years of age or older. The changing relationship between births and abortions for women of all ages is shown in Figure 8-4. The percentage of pregnancies ended by an induced termination decreased from 26.2 percent in 1980 to 21.8 percent in 1987. In 1988, however, this figure jumped 3.2 percent to 25.0, a nearly 15 percent *rate of increase.* Still, it remains 4.6 percent below the high established in 1980. When there are no restrictions on abortions, the percentage of pregnancies which are terminated by an induced abortion is an important indicator of the number of unwanted pregnancies.

CONTRACEPTIVE USE. In Oregon, the typical abortion patient was a single, white woman in her late teens or early 20s without children who, together with her sexual partner, failed to use a contraceptive (Figure 8-5).

Three out of 5 abortion patients who had previously experienced this procedure failed to use a contraceptive. Less than 5 percent of these women, however, had previously obtained three or more abortions.

RACE/ETHNICITY. African American women terminated about one-third of their pregnancies with an induced abortion (Figure 8-6). In spite of this fact, there were only 541 abortions provided to African American women in 1988. By comparison, 9 out of 10—11,818 abortions—were obtained by non-Hispanic whites. Hispanic and Native American women were less than one-half as likely to end their pregnancies with an abortion as majority whites. In the aggregate, other classifications which reflect cultural background—Chinese, Japanese, Filipino, Hawaiian, Pacific Islander and Other

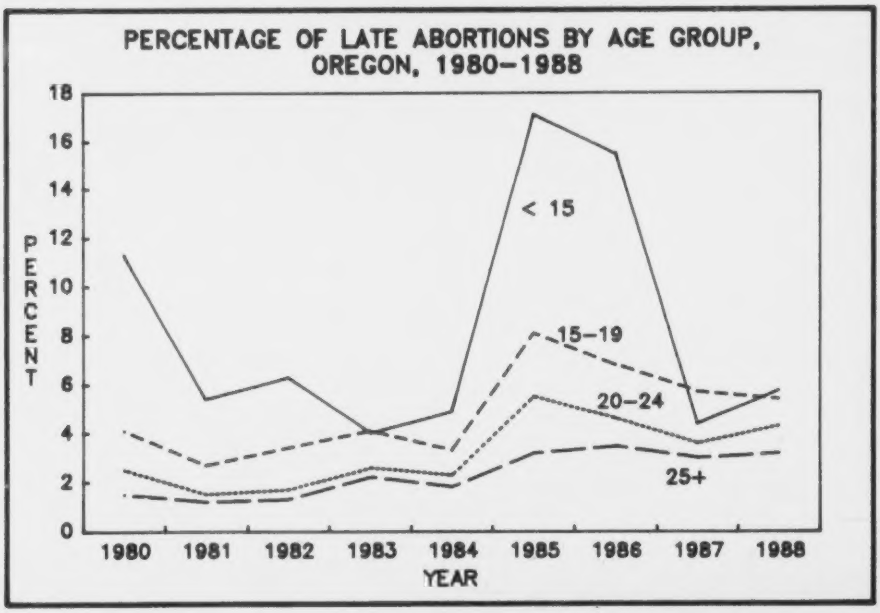
Figure 8-6.



Asians—display a pattern similar to the white majority. The percentage of pregnancies ended by induced termination increased for all major racial/ethnic subgroupings in 1988.

MEDICAL. Nine out of 10 abortions were performed prior to the 13th week of pregnancy. Suction curettage was the method used in 5 out of 6 terminations. Less than 5 percent of induced terminations were considered late abortions (performed after the 17th week of gestation had begun). Teen women are nearly 50 percent more likely to obtain a late abortion than women 20 years of age or older (Figure 8-7). Late abortions typically use dilation and evacuation. There were no cases in which the woman died as the result of an induced termination. In fact, complications at the time of the

Figure 8-7.



procedure are rare—less than 0.5 percent of such procedures report any medical complication.

GEOGRAPHIC DISTRIBUTION. Although abortion rates vary widely within the state, each county had at least one resident who sought an abortion in 1988. However, the *providers* of such services are highly concentrated geographically. In 1988, abortions were performed in 15 of Oregon's 36 counties, two counties less than the previous year. The extreme concentration of services may be seen in the fact that 95 percent of all abortions were obtained in only four counties and five of the 15 counties in which abortions were performed accounted for less than 0.3 percent. Although abortions may often be sought outside a patient's community in a setting which insures anonymity, the degree of concentration of services suggests that access to such medical services may be limited for some women.

Within most segments of the population abortion is an infrequent event. In all but one county less than 2 percent of women from 15 to 44 years of age—i.e., the great majority of those at risk of pregnancy—obtained an abortion. About 3 percent of those who reside in Multnomah County and are of childbearing age obtained one. Still, among those women who reached sexual maturity shortly after the nationwide liberalization of abortions, it is estimated that about one-third have experienced an abortion at some time in their life.

TABLE 8-1. NUMBER, RATE, AND PERCENT CHANGE FOR PREGNANCIES, BIRTHS, AND ABORTIONS TO 15- to 44-YEAR-OLDS, OREGON 1980-1988

YEAR	PREGNANCIES/1			BIRTHS/2			ABORTIONS/3				
	Number	Rate	% Change in Rate From Previous Year	Number	Rate	% Change in Rate From Previous Year	Number	Rate	% Change in Rate From Previous Year	Percent of Pregnancies Ending In Abortions	% Change In Percent From Previous Year
1980	58592	94.4	1.6%	43007	69.3	0.3%	15585	25.1	5.3%	26.6%	3.7%
1981	57586	91.4	-3.1%	42901	68.1	-1.6%	14685	23.3	-7.1%	25.5%	-4.1%
1982	53633	85.4	-6.6%	40947	65.2	-4.3%	12686	20.2	-13.3%	23.7%	-7.2%
1983	51847	83.3	-2.4%	39886	64.1	-1.7%	11961	19.2	-4.8%	23.1%	-2.5%
1984	52490	83.5	0.2%	39466	62.8	-2.1%	13024	20.7	7.8%	24.8%	7.6%
1985	51287	81.1	-2.9%	39364	62.2	-0.9%	11923	18.8	-9.1%	23.2%	-6.3%
1986	49894	79.5	-1.9%	38769	61.8	-0.7%	11125	17.7	-6.0%	22.3%	-4.1%
1987	49672	78.3	-1.4%	38600	60.9	-1.4%	11072	17.5	-1.5%	22.3%	0.0%
1988	53010	82.3	5.1%	39782	61.8	1.5%	13228	20.5	17.7%	25.0%	11.9%
CHANGE 1980-1988	-5582	-12.0		-3225	-7.5		-2357	-4.6		-1.6%	
% CHANGE 1980-1988	-9.5%	-12.8%		-7.5%	-10.8%		-15.1%	-18.1%		-6.2%	

/1 PREGNANCIES INCLUDE RESIDENT BIRTHS AND OCCURRENCE ABORTIONS, BUT EXCLUDE FETAL DEATHS (SPONTANEOUS ABORTIONS).

/2 OREGON RESIDENCE FIGURES FOR BIRTHS (Includes 15- to 44-year-old females).

/3 OREGON OCCURRENCE FIGURES FOR ABORTIONS (Includes 15- to 44-year-old females only).

ALL RATES PER 1,000 POPULATION OF 15- to 44-YEAR-OLD FEMALES. 1988: 643,937

CHANGES OVER TIME ARE CALCULATED USING UNROUNDED NUMBERS, BUT ROUNDED NUMBERS ARE DISPLAYED.

NOTE: ORS 435.496 was implemented in 1984 requiring all providers of abortions to file a Report of Induced Terminations of Pregnancy for each abortion performed.

TABLE 8-2. LIVE BIRTHS AND INDUCED ABORTIONS OCCURRING IN OREGON, 1968-1988

YEAR	BIRTHS	INDUCED ABORTIONS Number	Ratio
1968	32,136	323	10.1
1969	33,834	1,407	41.6
1970	36,031	7,187	199.5
1971	33,753	6,997	207.3
1972	32,123	7,143	222.4
1973	31,738	7,447	234.6
1974	33,438	8,794	263.0
1975	34,312	10,641	310.1
1976	35,612	12,590	353.5
1977	38,448	13,163	342.4
1978	40,015	13,605	340.0
1979	42,874	14,501	338.2
1980	44,223	15,735*	355.8
1981	44,150	14,799	335.2
1982	42,093	12,807	304.3
1983	41,047	12,064	293.9
1984	40,841	13,133**	321.6
1985	40,778	12,056	295.6
1986	40,093	11,217	279.8
1987	39,996	11,147	278.7
1988	39,850	13,309	334.0

* The increase in the 1980 figure reflects improved reporting rather than an increase in the number of abortions performed. Approximately 1,000 - 1,400 of the abortions were performed by providers who did not participate in the voluntary abortion reporting system prior to 1980 even though they were performing abortions in previous years.

** The increase in the 1984 figure is probably a consequence of the implementation of ORS 435.496, which requires that an induced termination of pregnancy report be filed by abortion providers whenever an induced abortion is performed.

NOTE: Induced Abortion Ratio is the number of abortions per 1,000 live births.

TABLE 8-3. NUMBER AND PERCENT OF INDUCED ABORTIONS BY RACE/ETHNICITY AND AGE, OREGON OCCURRENCE, 1988

AGE GROUPS	RACE/ETHNICITY							
	TOTAL	WHITE	HISPANIC	AFRICAN AMERICAN	INDIAN	CHINESE FILIPINO JAPANESE HAWAIAN	OTHER ASIAN & PACIFIC ISLANDER	NOT STATED
TOTAL.....	13,309	11,818	241	541	112	187	200	208
< 15......	69	62	1	3	-	-	1	2
15-19.....	3,586	3,208	57	172	31	28	41	49
20-24.....	4,192	3,714	88	167	36	67	62	58
25-29.....	2,727	2,425	48	113	24	43	35	39
30-34.....	1,649	1,455	26	61	14	26	37	29
35-39.....	849	754	14	19	7	17	16	22
40-44.....	175	152	5	4	-	5	6	3
45+.......	12	11	-	-	-	-	1	-
UNKNOWN...	50	37	2	2	-	1	1	6
COLUMN PERCENT								
Total...	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
< 15....	.5	.5	.4	.6	-	-	.5	1.0
15-19...	26.9	27.1	23.7	31.8	27.7	15.0	20.5	23.6
20-24...	31.5	31.4	36.5	30.9	32.1	35.8	31.0	27.9
25-29...	20.5	20.5	19.9	20.9	21.4	23.0	17.5	18.8
30-34...	12.4	12.3	10.8	11.3	12.5	13.9	18.5	13.9
35-39...	6.4	6.4	5.8	3.5	6.3	9.1	8.0	10.6
40-44...	1.3	1.3	2.1	.7	-	2.7	3.0	1.4
45+.....	.1	.1	-	-	-	-	.5	-
UNKNOWN.	.4	.3	.8	.4	-	.5	.5	2.9

- QUANTITY IS ZERO

TABLE 8-4. NUMBER OF ABORTIONS IN RELATION TO LENGTH OF GESTATION BY METHOD, COMPLICATIONS AND AGE OF PATIENT, OREGON OCCURRENCE, 1988

PROCEDURE COMPLICATIONS & AGE OF PATIENT	Total	WEEKS GESTATION						
		< 9	9-12	13-16	17-20	21-22	23+	UNKNOWN
TOTAL..................	13,309	6,385	5,446	838	344	209	2	85
METHOD								
SUCTION CURETTAGE....	11,038	5,596	4,832	527	23	1	-	59
SHARP CURETTAGE......	1	1	-	-	-	-	-	-
SALINE...............	1	-	1	-	-	-	-	-
PROSTAGLANDIN........	-	-	-	-	-	-	-	-
HYSTEROTOMY..........	-	-	-	-	-	-	-	-
HYSTERECTOMY.........	-	-	-	-	-	-	-	-
OTHER................	1	-	-	-	1	-	-	-
DILATION AND EVAC....	2,083	727	559	281	303	206	1	6
VAGINAL PROSTAG......	46	-	-	26	17	2	1	-
UNKNOWN..............	139	61	54	4	-	-	-	20
COMPLICATIONS								
NONE.................	13,152	6,300	5,395	832	340	209	2	74
HEMORRHAGE...........	5	2	-	2	1	-	-	-
INFECTION............	2	1	1	-	-	-	-	-
UTERINE PERFORATION..	3	3	-	-	-	-	-	-
CERVICAL LACERATION..	1	-	1	-	-	-	-	-
RETAINED PRODUCTS....	32	18	12	2	-	-	-	-
OTHER................	2	2	-	-	-	-	-	-
UNKNOWN..............	112	59	37	2	3	-	-	11
AGE GROUPS								
< 15.................	69	25	31	8	4	-	-	1
15-19................	3,586	1,524	1,547	302	111	81	-	21
20-24................	4,192	1,974	1,738	274	111	71	1	23
25-29................	2,727	1,358	1,104	144	72	34	1	14
30-34................	1,649	882	639	73	30	15	-	10
35-39................	849	487	309	24	11	6	-	12
40-44................	175	98	59	9	3	2	-	4
45+..................	12	7	5	-	-	-	-	-
UNKNOWN..............	50	30	14	4	2	-	-	-

- QUANTITY IS ZERO

TABLE 8-5. CONTRACEPTIVE USE, NUMBER OF PREVIOUS ABORTIONS AND NUMBER OF LIVING CHILDREN BY AGE OF PATIENT, OREGON OCCURRENCE, 1988

CONTRACEPTIVE USED PREVIOUS ABORTIONS CHILDREN LIVING	Total	AGE GROUPS								
		< 15	15-19	20-24	25-29	30-34	35-39	40-44	45+	UN-KNOWN
TOTAL	13,309	69	3,586	4,192	2,727	1,649	849	175	12	50
CONTRACEPTIVE USED & PREV. ABORTIONS										
NONE USED	8,340	60	2,610	2,611	1,567	908	444	107	8	25
NO PREV ABOR	4,926	56	2,118	1,462	642	367	199	64	5	13
ONE	2,124	4	375	748	538	284	141	28	1	5
TWO	761	-	60	263	219	143	61	10	2	3
THREE	239	-	9	60	86	62	20	1	-	1
FOUR OR MORE	138	-	2	30	51	38	17	-	-	-
PILLS USED	1,110	-	259	459	272	94	21	2	-	3
NO PREV ABOR	529	-	167	223	92	37	9	-	-	1
ONE	371	-	72	154	111	24	8	1	-	1
TWO	108	-	10	48	39	9	1	1	-	-
THREE	48	-	3	19	16	8	2	-	-	-
FOUR OR MORE	20	-	-	6	8	5	-	-	-	1
CONDOM USED	1,603	5	496	481	324	180	93	17	-	7
NO PREV ABOR	935	4	397	263	143	72	43	9	-	4
ONE	419	-	72	148	100	62	29	7	-	1
TWO	130	-	11	38	45	25	11	-	-	-
THREE	58	-	-	18	21	13	5	1	-	-
FOUR OR MORE	20	-	-	5	9	5	1	-	-	-
OTHER CONTRACEPTIVE	2,015	2	172	555	528	436	268	41	3	10
NO PREV ABOR	929	2	129	287	196	172	116	19	1	7
ONE	621	-	32	160	185	148	83	12	1	-
TWO	274	-	6	69	77	71	42	7	1	1
THREE	78	-	-	15	34	18	9	-	-	2
FOUR OR MORE	43	-	-	4	13	16	10	-	-	-
CONTRA USE NOT STATED	241	2	49	86	36	31	23	8	1	5
PREV ABORTIONS UNKNOWN	333	1	81	95	73	42	24	9	-	8
NUMBER LIVE CHILDREN										
NO CHILDREN	6,998	68	3,024	2,263	975	454	174	22	1	17
TOTAL WITH CHILDREN	6,075	-	492	1,857	1,705	1,164	668	150	11	28
ONE	2,897	-	412	1,154	722	394	169	34	1	11
TWO	2,175	-	68	564	677	483	309	57	6	11
THREE	728	-	11	124	229	200	124	34	1	5
FOUR	200	-	1	13	57	65	46	15	2	1
FIVE OR MORE	75	-	-	2	20	22	20	10	1	-
UNKNOWN	236	1	70	72	47	31	7	3	-	5

- QUANTITY IS ZERO

TABLE 8-6. NUMBER OF INDUCED ABORTIONS OCCURRING IN OREGON BY AGE AND RESIDENT COUNTY, 1988

RESIDENT COUNTY	Total	AGE GROUPS								
		< 15	15-19	20-24	25-29	30-34	35-39	40-44	45+	UNKN-OWN
TOTAL.....	13,309	69	3,586	4,192	2,727	1,649	849	175	12	50
BAKER.....	36	-	11	6	6	8	2	3	-	-
BENTON....	265	3	68	87	48	39	19	1	-	-
CLACKAMAS.	1,001	2	297	317	178	121	71	14	1	-
CLATSOP...	130	2	34	45	21	15	10	2	-	1
COLUMBIA..	107	-	27	31	20	13	11	5	-	-
COOS......	203	2	56	63	49	19	11	1	2	-
CROOK.....	41	-	13	11	6	7	2	1	-	1
CURRY.....	54	-	14	15	7	9	8	1	-	-
DESCHUTES.	245	2	60	78	44	41	15	3	-	2
DOUGLAS...	273	1	81	73	55	37	21	4	-	1
GILLIAM...	6	-	2	1	2	-	1	-	-	-
GRANT.....	8	-	-	-	4	2	2	-	-	-
HARNEY....	8	-	4	2	-	1	-	-	-	1
HOOD RIVER	48	-	8	16	13	6	5	-	-	-
JACKSON...	586	2	166	179	97	77	54	8	2	1
JEFFERSON.	39	-	12	11	5	5	3	3	-	-
JOSEPHINE.	225	2	66	65	35	32	19	5	-	1
KLAMATH...	202	2	63	65	39	19	12	1	-	1
LAKE......	10	-	5	1	1	1	2	-	-	-
LANE......	1,188	4	284	418	243	151	64	17	1	6
LINCOLN...	124	1	30	35	24	17	12	2	1	2
LINN......	225	2	77	66	45	21	9	4	-	1
MALHEUR...	13	-	2	4	2	1	3	1	-	-
MARION....	829	7	253	249	168	80	57	11	-	4
MORROW....	16	-	9	1	3	3	-	-	-	-
MULTNOMAH.	4,249	24	1,041	1,365	976	536	249	42	2	14
POLK......	100	-	27	33	25	4	8	2	-	1
SHERMAN...	4	-	1	-	1	1	1	-	-	-
TILLAMOOK.	67	1	15	22	10	13	3	2	-	1
UMATILLA..	119	1	30	31	27	19	8	3	-	-
UNION.....	93	1	25	30	19	9	8	-	1	-
WALLOWA...	13	-	6	1	1	4	1	-	-	-
WASCO.....	55	-	14	14	17	8	1	1	-	-
WASHINGTON	1,328	4	358	419	274	161	86	15	1	10
WHEELER...	1	-	-	-	-	-	1	-	-	-
YAMHILL...	177	1	55	48	37	27	7	2	-	-
OTHER STATE.....	1,221	5	372	390	225	142	63	21	1	2
UNKNOWN...	-	-	-	-	-	-	-	-	-	-

- QUANTITY IS ZERO

TABLE 8-7. NUMBER OF INDUCED ABORTIONS BY RESIDENT COUNTY AND COUNTY OF OCCURRENCE OREGON, 1988

COUNTY OF RESIDENCE	COUNTY OF OCCURRENCE															
	TOTAL	BAKER	CLACKAMAS	CROOK	DESCHUTES	JACKSON	JOSEPHINE	KLAMATH	LANE	LINN	MALHEUR	MARION	MULTNOMAH	UMATILLA	WASHINGTON	YAMHILL
TOTAL.....	13,309	205	9	100	10	1,047	10	88	1,500	3	27	36	8,648	134	1,491	1
BAKER.....	36	-	-	-	-	-	-	-	-	-	3	-	11	21	1	-
BENTON....	265	125	-	-	-	-	-	-	32	1	-	-	68	1	38	-
CLACKAMAS.	1,001	-	1	-	-	-	-	-	2	-	-	-	925	-	73	-
CLATSOP...	130	-	-	3	-	-	-	-	-	-	-	-	73	-	54	-
COLUMBIA..	107	-	-	-	-	-	-	-	-	-	-	-	99	-	8	-
COOS......	203	-	-	-	-	15	-	-	154	-	-	-	30	-	4	-
CROOK.....	41	-	-	25	1	-	-	-	1	-	-	-	13	-	1	-
CURRY.....	54	-	-	-	-	38	-	-	10	-	-	-	6	-	-	-
DESCHUTES.	245	-	-	57	9	-	-	-	13	-	-	-	147	-	19	-
DOUGLAS...	273	-	-	-	-	22	-	-	214	-	-	-	34	-	3	-
GILLIAM...	6	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-
GRANT.....	8	-	-	-	-	-	-	-	1	-	-	-	5	1	1	-
HARNEY....	8	-	-	2	-	-	-	-	-	-	-	-	6	-	-	-
HOOD RIVER	48	-	-	-	-	-	-	-	-	-	-	-	48	-	-	-
JACKSON...	586	-	-	-	-	571	-	-	2	-	-	-	12	-	1	-
JEFFERSON.	39	-	-	10	-	-	-	-	-	-	-	-	27	-	2	-
JOSEPHINE.	225	-	-	-	-	204	10	-	1	-	-	-	9	-	1	-
KLAMATH...	202	-	-	1	-	111	-	76	3	-	-	-	11	-	-	-
LAKE......	10	-	-	-	-	4	-	6	-	-	-	-	-	-	-	-
LANE......	1,188	-	-	-	-	2	-	-	1,017	-	-	-	125	-	44	-
LINCOLN...	124	8	-	-	-	1	-	-	2	-	-	-	67	-	46	-
LINN......	225	61	-	-	-	-	-	-	33	1	-	-	102	-	28	-
MALHEUR...	13	-	-	-	-	-	-	-	-	-	13	-	-	-	-	-
MARION....	829	9	-	-	-	1	-	-	3	1	-	32	562	-	221	-
MORROW....	16	-	-	-	-	-	-	-	-	-	-	-	15	-	1	-
MULTNOMAH.	4,249	-	5	-	-	1	-	-	1	-	-	-	4,043	2	197	-
POLK......	100	2	-	-	-	-	-	-	2	-	-	3	46	-	47	-
SHERMAN...	4	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-
TILLAMOOK.	67	-	-	-	-	-	-	-	-	-	-	-	41	-	26	-
UMATILLA..	119	-	-	-	-	-	-	-	-	-	-	-	86	27	6	-
UNION.....	93	-	-	-	-	-	-	-	-	-	-	-	23	67	3	-
WALLOWA...	13	-	-	-	-	-	-	-	-	-	-	-	1	12	-	-
WASCO.....	55	-	-	1	-	-	-	-	-	-	-	-	52	-	2	-
WASHINGTON	1,328	-	3	-	-	-	-	-	-	-	-	1	805	-	519	-
WHEELER...	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
YAMHILL...	177	-	-	-	-	-	-	-	-	-	-	-	91	-	85	1
OTHER STATE.....	1,221	-	-	-	-	77	-	6	9	-	11	-	1,055	3	60	-
UNKNOWN...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

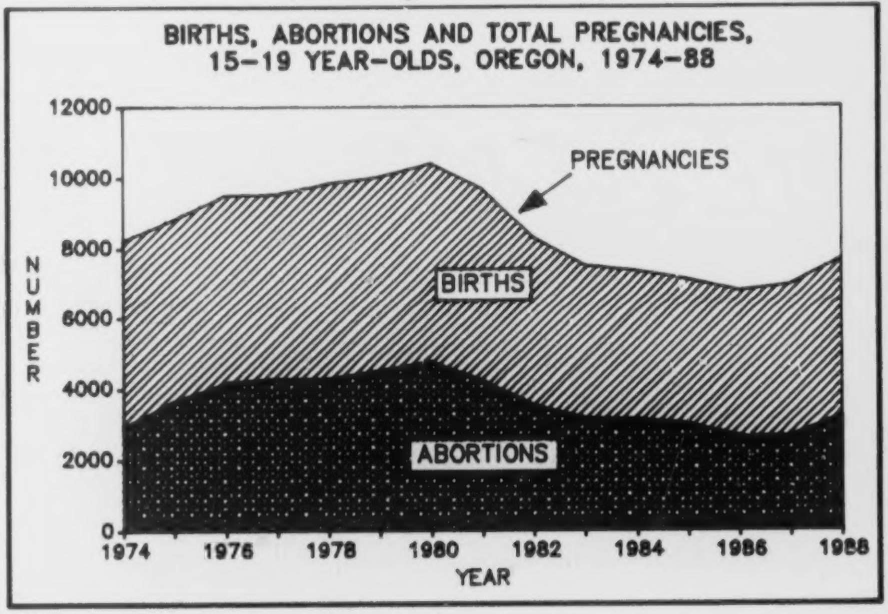
- QUANTITY IS ZERO

TEEN PREGNANCY

Teen Pregnancy

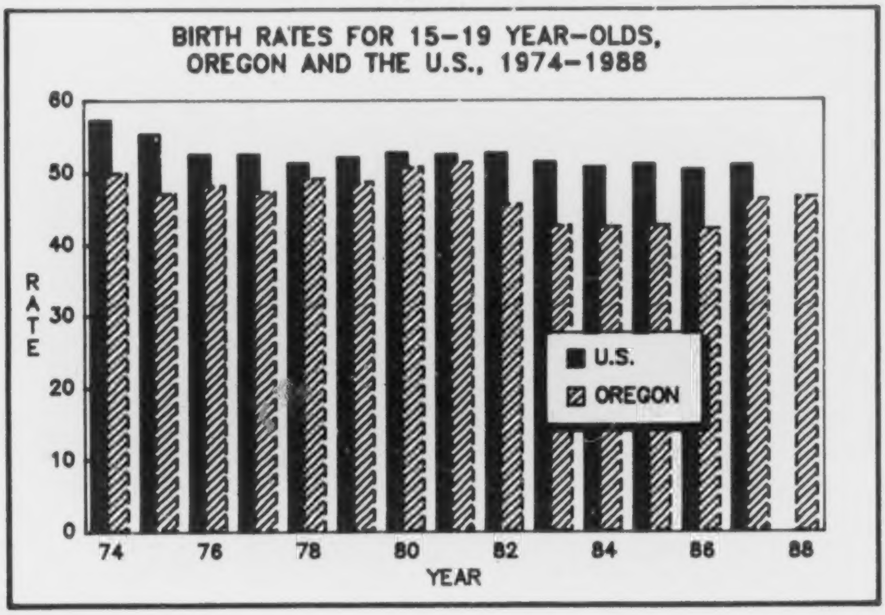
RECENT HISTORY. At the start of this decade there were over 10,000 pregnancies per year among teenaged residents in Oregon (Figure 9-1). Two out of every five cases were women under 18 years of age. Between 1980 and 1982, the rate of teen pregnancies dropped 15 percent. During the next four years these figures stabilized at a teen pregnancy rate under 74 per 1,000. Although the rate of change slowed, the pregnancy rate among women of high school age continued to decline. By 1986, the total number of teen pregnancies was under 7,000; the rate of pregnancies among 15- to 17-year-olds had dropped 27 percent. In that year Oregon's teen pregnancy rate was nearly one-fifth less than the estimated rate for the nation as a whole (Figure 9-2). Since then such favorable trends have begun to change.

Figure 9-1.



CURRENT TRENDS. In 1988 there were at least 7,845 cases in which Oregon residents under 20 years of age became pregnant. This represents an increase of 729 cases.

Figure 9-2.



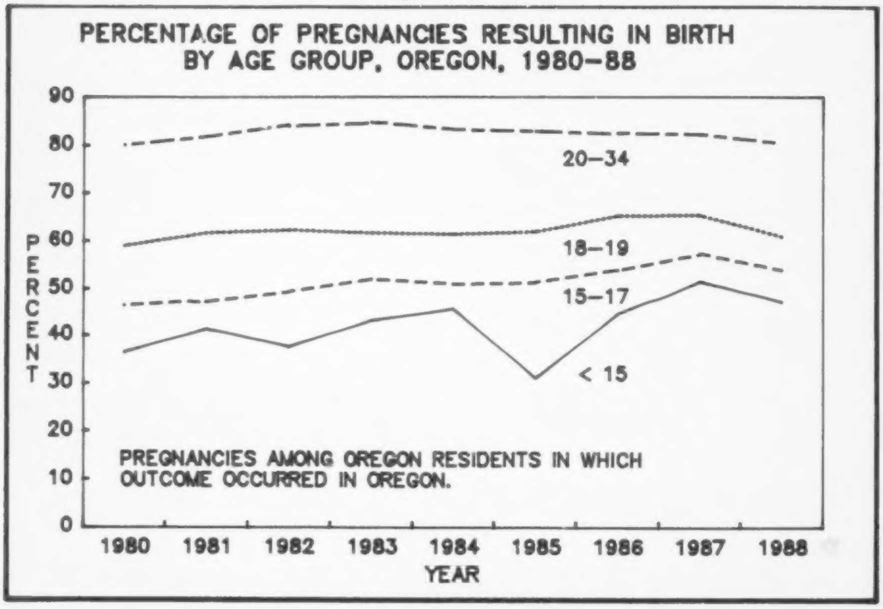
Over 15 percent of the known pregnancies to Oregon residents were to teenaged women in 1988.[1] Nearly one-half of these (6.9 percent of the total) were to teens under 18 years of age. At least 122 cases of teen pregnancy involved women under 15 years of age.

The estimated pregnancy rate among 15- to 19-year-old teens was 80.6 per 1,000 in 1988. This is an increase of 8 percent over that of 1987 but a 16 percent increase when compared to the low point established in 1986. Although the 1988 pregnancy rate for both younger (15-17 years) and older teens (18-19 years) remained 14 percent below the rate established in 1980, increases since 1986 have been a third greater for young teens than their older counterparts. This, of course, indicates that the rate of pregnancy among women of high school age is increasing. Furthermore, it is increasing fastest among those less prepared for parenthood by age, training, and skills.

PREGNANCY OUTCOMES. In 1988, three out of five pregnancies among older teens resulted in a live birth (Figure 9-3). Although the youngest females are least likely to give birth, among those under 18 years of age roughly one-half of all pregnancies are taken to term also.

For several years following 1980, the likelihood increased that pregnant teen women would give birth. The change was most apparent among younger teens. Between 1980 and 1987, the rate of increase in the proportion of pregnancies resulting in birth was over twice as great for 15- to 17-year-olds than for older teens. Still, teens under 15 years of age showed an even more dramatic rise—from *36.4 percent* of 195 pregnancies

Figure 9-3.



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[1] An unknown number of pregnant teens traveled out-of-state to obtain an abortion. Because such cases must be included in any unbiased estimate of pregnancies among teen residents, the numbers and rates given must be considered minimal estimates only. In 1988, 372 teens came to Oregon from adjoining states and five came from more distant locations to obtain an abortion. Based on this information, the actual number of pregnancies among Oregon teens may be about 5 percent greater than that estimated.

to *47.1 percent* of 121 pregnancies; this was an increase over three and a half times greater than that of 18- to 19-year-old women. Data from birth and abortion reports do not show whether the increase in the birth to abortion ratio among teens was due to changes in attitude toward parenthood or abortion, influence exerted by the women's families, improved economic supports for such women, or declining access to abortion services on the part of younger teens. The obvious solution for simultaneously reducing abortions and births among 15- to 17-year-olds is to reduce the number of pregnancies within this group.

In 1988, the trend of an increasing proportion of pregnant teens giving birth was reversed. This appears to be part of a larger state-wide trend observed among all age groups except those 40 years of age or older.

TEEN ABORTIONS. One in every four abortions obtained by Oregon residents are provided to teenaged women. In 1988, there were 3,291 abortions to Oregon residents under 20 years of age. The *rate* of teenage abortions jumped 20 percent in 1988; however, it remains 22 percent below the maximum rate established in 1980.

Recent changes are greatest among women of high school age—pregnancy and birth rates are both up by nearly one-fifth since 1986.

The degree of change which occurred among older teens was greater than among those of high school age. Since 1986, the rate of increase in abortions among older teens increased at nearly double the rate of increase shown by younger teens. Furthermore, when compared with recent changes in birth rates, an even sharper difference emerges between these age groups. While the birth rate and the abortion rate of 15- to 17-year-old teens increased at the same pace between 1986 and 1988, among older teens the rate of abortions grew at over five times the rate of births. In 1988, the rate of abortions among women of high school age remains one-fourth less than the level established in 1980; in comparison, the *rate of births* for this group has again reached the peak level of that year.

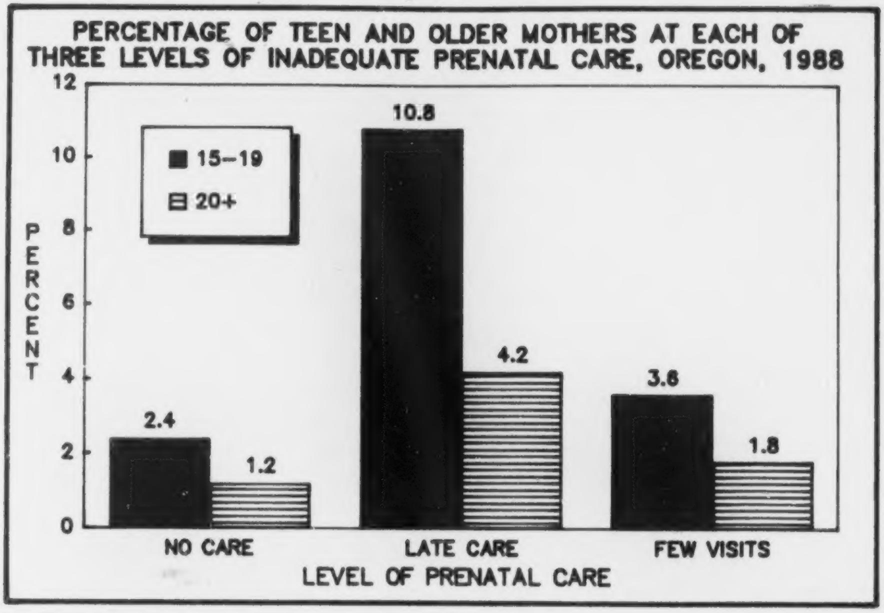
TEEN BIRTHS. In 1988, there were 4,553 births to mothers under 20 years of age who were residents of the state.

Although only a minimal increase occurred during the last year, when compared with 1986, the birth rate among 15- to 19-year-olds is up 10 percent. It remains 9.3 percent below the highest rate of birth, established in 1981. Currently, the teen birth rate is 46.7 per 1,000. In 1988, 11.4 percent of births to Oregon residents were to teenaged women; 4.0 percent were to teens under 18 years of age.

Older teens are over two and a half times more likely to give birth than those 15 to 17 years of age. This difference has narrowed since 1980, however; in that year, older teens were three times as likely to give birth. Thus, recent changes have had greater effect upon young teens. Between 1986 and 1988 the pace of growth in the rate of births among 15- to 17-year-old teens was more than three and a half times greater than that among 18- to 19-year-olds. Today, the rate of births among high-school aged women is nearly one-fifth higher than it was in 1986; furthermore, it now equals the level reached in 1980.

There is no evidence to indicate that the same pattern has occurred among females under 15 years of age. In the youngest group the picture appears more favorable. Although the number of cases are few, a 10 percent drop in births has occurred since 1986. The number of births to

Figure 9-4.



these youngest teens remains about 15 percent below that of 1980. While some of this may be due to population changes, comparison with the number of pregnancies and abortions for this age group suggests that reduction in the number of pregnancies largely accounts for the smaller number of births.

In contrast to older women, the percentage of births to unmarried mothers continued to increase among teens. In 1988, 63.7 percent of all births to women under 20 years of age were to unmarried mothers; this is over 40 percent higher than the percentage recorded in 1980.

PRENATAL CARE. One out of six teen mothers receive inadequate prenatal care; among those of high school age this figure is closer to one in five. Between 1987 and 1988, the level of prenatal care improved by more than 8 percent among 15- to 19-year-old teens. In spite of this, teens continue to have a rate of *inadequate* prenatal care which is about one-third higher than that of 1980.

In 1988, 15- to 19-year-old white teens had a rate of inadequate prenatal care of 155.0 per 1,000; the rate of 15- to 17-year-olds was one-fourth higher than that of older white teens, a statistically significant difference. Higher rates of inadequate care among young teens is typical of other racial and ethnic groups, as well.

The most dramatic improvement occurred in 1988 among 18- to 19-year-old African American women. Within one year their inadequate care rate was cut in half to a rate of 145.6 per 1,000. The category of "other non-whites" also showed marked improvement, although the difference is statistically non-significant because of the small number of births in this group.

In contrast to other groups, the rate of inadequate prenatal care among Hispanic teens increased by 38.2 percent in 1988; the rate is now two-thirds greater than that of all Oregon teens. Furthermore, the degree of decline in the level of care among 15- to 17-year-old Hispanics is more than three times greater than among older Hispanic teens.

LOW-WEIGHT BIRTHS. In 1988, the rate of low-weight births to teen women was 71.0 per 1,000, a statistically significant increase of 10.2 percent over the 1987 rate. Although the percentage increase in the rate of 15- to 17-year-olds was less than that of older teens (8.6 versus 11.1 percent, respectively), younger teens continue to have a higher rate than 18- to 19-year-olds. The difference is statistically significant. When race and ethnicity are considered, certain subgroups have disproportionately high rates of low-weight births. In 1988, African American teenagers of the same age had a rate over twice (2.33:1) that of their white counterparts. Among other non-whites, the 15- to 17-year-olds had a rate more than 80 percent above that of whites.

TABLE 9-1. OREGON PREGNANCIES FOR TEENS 15-19, 1975-1988

YEAR	PREGNANCIES						BIRTHS			
	15 to 17		18 to 19		15 to 19		15 to 17		18 to 19	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1974	3,361	--	4,881	--	8,242	77.2	1,918	--	3,438	--
1975	3,718	--	5,135	--	8,853	80.2	1,868	--	3,338	--
1976	3,883	--	5,644	--	9,527	85.7	1,837	--	3,530	--
1977	3,853	--	5,718	--	9,571	85.5	1,793	--	3,510	--
1978	3,895	--	5,968	--	9,863	87.1	1,892	--	3,696	--
1979	3,802	--	6,240	--	10,042	88.4	1,790	--	3,754	--
1980	3,844	59.3	6,576	141.9	10,420	93.8	1,775	27.4	3,883	83.8
1981	3,504	56.8	6,202	138.6	9,706	91.2	1,655	26.8	3,828	85.6
1982	2,978	49.5	5,332	119.9	8,310	79.4	1,466	24.4	3,317	74.6
1983	2,694	45.5	4,823	112.3	7,517	73.6	1,397	23.6	2,978	69.3
1984	2,677	45.6	4,693	114.3	7,370	73.9	1,365	23.2	2,880	70.2
1985	2,631	44.5	4,502	119.7	7,133	73.8	1,349	22.8	2,787	74.1
1986	2,536	43.1	4,271	108.3	6,807	69.2	1,368	23.2	2,791	70.8
1987	2,629	46.7	4,365	115.6	6,994	74.4	1,507	26.8	2,856	75.6
1988	2,876	50.9	4,847	121.6	7,723	80.2	1,547	27.4	2,949	74.0
Change Between 1975 and 1980	126	--	1441	--	1567	13.5	-93	--	545	--
% Change Between 1975 and 1980	3%	--	28%	--	18%	17%	-5%	--	16%	--
Change Between 1980 and 1982	-866	-9.8	-1244	-22.0	-2110	-14.3	-309	-3.0	-566	-9.2
% Change Between 1980 and 1982	-23%	-17%	-19%	-15%	-20%	-15%	-17%	-11%	-15%	-11%
Change Between 1982 and 1986	-442	-6.4	-1061	-11.7	-1503	-10.2	-98	-1.1	-526	-3.9
% Change Between 1982 and 1986	-15%	-13%	-20%	-10%	-18%	-13%	-7%	-5%	-16%	-5%
Change Between 1986 and 1988	340	7.9	576	13.3	916	11.0	179	4.2	158	3.2
% Change Between 1986 and 1988	13%	18%	13%	12%	13%	16%	13%	18%	6%	5%
Change Between 1987 and 1988	247	4.2	482	6.0	729	5.8	40	0.6	93	-1.6
% Change Between 1987 and 1988	9%	9%	11%	5%	10%	8%	3%	2%	3%	-2%
Between 1980 and 1988	-968	-8.4	-1729	-20.3	-2697	-13.6	-228	0.0	-934	-9.8
% Change Between 1980 and 1988	-25%	-14%	-26%	-14%	-26%	-14%	-13%	0%	-24%	-12%

TABLE 9-1. OREGON PREGNANCIES FOR TEENS 15-19, 1975-1988 (CONTINUED)

		ABORTIONS 1/						
15 to 19		15 to 17		18 to 19		15 to 19		Age Not Stated
Number	Rate	Number	Rate	Number	Rate	Number	Rate	
5,356	50.1	1,443	--	1,443	--	2,886	27.0	30
5,206	47.2	1,850	--	1,797	--	3,647	33.1	23
5,367	48.3	2,046	--	2,114	--	4,160	37.4	14
5,303	47.4	2,060	--	2,208	--	4,268	38.1	25
5,588	49.3	2,003	--	2,272	--	4,275	37.7	33
5,544	48.8	2,012	--	2,486	--	4,498	39.6	34
5,658	50.9	2,069	31.9	2,693	58.1	4,762	42.9	903
5,483	51.5	1,849	30.0	2,374	53.1	4,223	39.7	1,541
4,783	45.7	1,512	25.1	2,015	45.3	3,527	33.7	2,091
4,375	42.8	1,297	21.9	1,845	42.9	3,142	30.8	1,850
4,245	42.5	1,312	22.3	1,813	44.2	3,125	31.3	1,700
4,136	42.8	1,282	21.7	1,715	45.6	2,997	31.0	737
4,159	42.3	1,168	19.8	1,480	37.5	2,648	26.9	114
4,363	46.4	1,122	19.9	1,509	40.0	2,631	28.0	47
4,496	46.7	1,329	23.5	1,898	47.6	3,227	33.5	50
452	3.7	219	--	896	--	1115	9.8	
9%	8%	12%	--	50%	--	31%	30%	
-875	-5.2	-557	-6.8	-678	-12.8	-1235	-9.1	
-15%	-10%	-27%	-21%	-25%	-22%	-26%	-21%	
-624	-3.4	-344	-5.3	-535	-7.8	-879	-6.8	
-13%	-7%	-23%	-21%	-27%	-17%	-25%	-20%	
337	4.4	161	3.7	418	10.1	579	6.6	
8%	10%	14%	19%	28%	27%	22%	24%	
133	0.3	207	3.6	389	7.7	596	5.5	
3%	1%	18%	18%	26%	19%	23%	20%	
-1162	-4.2	-740	-8.4	-795	-10.5	-1535	-9.3	
-21%	-8%	-36%	-26%	-30%	-18%	-32%	-22%	

1/ Abortion data based on Oregon occurrence for Oregon residents. Excludes Oregon teens who went to other states to obtain an abortion. Original "age not stated" data included to show magnitude of missing data from year to year. A proportion of these "not stated" were added into the abortion counts for the age groups in this state.

- Data not available.

All rates are per one thousand population.

TABLE 9-2. OREGON PREGNANCIES FOR TEENS UNDER 15, 1974-1988

YEAR	PREGNANCIES		BIRTHS		ABORTIONS 1/	
	Number	Rate	Number	Rate	Number	Rate
1974	191	--	67	--	124	--
1975	216	2.1	67	0.6	149	1.4
1976	221	2.2	67	0.7	154	1.5
1977	209	2.1	69	0.7	140	1.4
1978	174	1.7	72	0.7	102	1.0
1979	201	2.0	70	0.7	131	1.3
1980	203	2.1	71	0.7	132	1.3
1981	158	1.6	61	0.6	97	1.0
1982	157	1.4	52	0.5	105	1.1
1983	135	1.4	52	0.5	83	0.9
1984	134	1.4	56	0.6	78	0.8
1985	143	1.6	42	0.5	101	1.1
1986	145	1.7	64	0.7	81	0.9
1987	115	1.4	59	0.7	56	0.6
1988	121	1.4	57	0.7	64	0.7
Change Between 1975 and 1980	- 13	- 0.0	- 4	- 0.1	- 17	- 0.1
% Change Between 1975 and 1980	- 6%	- 2%	+ 6%	+ 11%	- 11%	- 7%
Change Between 1980 and 1982	- 46	- 0.7	- 19	- 0.2	- 27	- 0.3
% Change Between 1980 and 1982	- 23%	- 32%	- 27%	- 26%	- 20%	- 20%
Change Between 1982 and 1986	- 12	- 0.3	- 5	- 0.1	- 24	- 0.1
% Change Between 1982 and 1986	- 8%	+ 19%	-10%	-10%	-23%	-13%
Change Between 1986 and 1988	- 24	- 0.3	- 7	- 0.1	- 17	- 0.2
% Change Between 1986 and 1988	- 17%	- 16%	-11%	-10%	- 21%	- 20%
Change Between 1980 and 1988	- 82	- 0.7	- 14	- 0.1	- 68	- 0.6
% Change Between 1980 and 1988	- 40%	- 32%	- 20%	- 8%	- 52%	- 44%

1/ Abortion data based on Oregon occurrence for Oregon residents. Excludes Oregon teens who went to other states to obtain an abortion.

-- Data not available.

All rates per one thousand population.

TABLE 9-3. BIRTHS TO TEENS BY RACE FOR MAJOR HEALTH INDICATORS, OREGON RESIDENCE, 1988

RACE AND AGE OF MOTHER	TOTAL BIRTHS	ADEQUACY OF PRENATAL CARE					
		INADEQUATE		ADEQUATE		NOT STATED	
		2499 GR OR LESS	2500+ GRAMS	2499 GR OR LESS	2500+ GRAMS	2499 GR OR LESS	2500+ GRAMS
Total							
15-19.........	4,496	106	646	207	3,500	6	29
15-17.........	1,547	44	258	68	1,161	4	11
18-19.........	2,949	62	388	139	2,339	2	18
RACE OF MOTHER							
WHITE	3,799	84	505	169	3,014	4	21
15-17.........	1,251	35	189	54	963	2	7
18-19.........	2,548	49	316	115	2,051	2	14
HISPANIC........	327	9	83	10	221	-	4
15-17.........	132	3	41	3	82	-	3
18-19.........	195	6	42	7	139	-	1
BLACK...........	192	6	26	16	142	2	-
15-17.........	89	2	15	5	65	2	-
18-19.........	103	4	11	11	77	-	-
OTHER NON-WHITE.	178	7	32	12	123	-	4
15-17.........	75	4	13	6	51	-	1
18-19.........	103	3	19	6	72	-	3
WHITE & HISPANIC	4,126	93	588	179	3,235	4	25
15-17.........	1,383	38	230	57	1,045	2	10
18-19.........	2,743	55	358	122	2,190	2	15
NON-WHITE.......	370	13	58	28	265	2	4
15-17.........	164	6	28	11	116	2	1
18-19.........	206	7	30	17	149	-	3

- QUANTITY IS ZERO

TABLE 9-4. BIRTHS TO TEENS 15-19 BY RACE FOR MAJOR HEALTH INDICATORS, OREGON RESIDENCE, 1988

RACE AND AGE OF MOTHER	TOTAL BIRTHS	LOW WEIGHT BIRTHS	RATE OF LBW	INADE-QUATE CARE	RATE OF INADE-QUATE CARE
Total					
15-19.........	4,496	319	71.0	752	167.3
15-17.........	1,547	116	75.0	302	195.2
18-19.........	2,949	203	68.9	450	152.6
RACE OF MOTHER					
WHITE	3,799	257	67.7	589	155.0
15-17.........	1,251	91	72.8	224	179.1
18-19.........	2,548	166	65.2	365	143.2
HISPANIC........	327	19	58.1	92	281.3
15-17.........	132	6	45.5	44	333.3
18-19.........	195	13	66.7	48	246.2
AFRICAN AMERICAN	192	24	125.0	32	166.7
15-17.........	89	9	101.1	17	191.0
18-19.........	103	15	145.6	15	145.6
OTHER NON-WHITE.	178	19	106.7	39	219.1
15-17.........	75	10	133.3	17	226.7
18-19.........	103	9	87.4	22	213.6

TABLE 9-5. PREGNANCY RATES OF TEEN MOTHERS BY COUNTY OF RESIDENCE, OREGON, 1988

COUNTY OF RESIDENCE	TOTAL PREGNANCY	MOTHER'S AGE				15 -17 PREGNANCY RATE 1/	18 -19 PREGNANCY RATE 1/	15 -19 PREGNANCY RATE 1/
		UNDER 15	15-17	18-19	15-19			
Total......	52,152	122	2,893	4,869	7,762	51.2	122.2	80.6
BAKER......	223	-	17	20	37	52.5	97.6	70.0
BENTON.....	1,132	-	35	82	117	27.7-	32.4-	30.8-
CLACKAMAS..	4,583	5	228	361	589	34.2-	89.2-	54.9-
CLATSOP....	554	-	33	56	89	51.0	127.0	81.8
COLUMBIA...	599	1	29	55	84	29.9-	93.0-	53.8-
COOS.......	978	-	63	101	164	50.0	128.0	80.0
CROOK......	257	-	16	41	57	52.1	207.1+	112.8+
CURRY......	271	1	13	30	43	43.8	135.1	82.9
DESCHUTES..	1,227	3	62	113	175	39.2-	116.7	68.6-
DOUGLAS....	1,553	5	91	188	279	41.5	145.7+	80.0
GILLIAM....	22	-	2	2	4	-	-	-
GRANT......	106	-	1	7	8	-	59.3-	24.8-
HARNEY.....	131	-	8	9	17	40.4	79.6	54.7
HOOD RIVER.	333	-	9	23	32	28.9-	96.6	58.3-
JACKSON....	2,497	4	146	270	416	46.8	137.7	81.9
JEFFERSON..	337	-	30	40	70	107.9+	227.3+	154.2+
JOSEPHINE..	1,065	3	65	125	190	52.1	144.7	90.0
KLAMATH....	1,026	4	86	116	202	66.8	136.3	94.4
LAKE.......	117	-	9	15	24	54.9	126.1	84.8
LANE.......	5,008	7	262	454	716	47.6	87.9-	67.1-
LINCOLN....	602	2	31	53	84	46.5	111.9	73.6
LINN.......	1,538	3	104	174	278	51.2	138.4	84.5
MALHEUR....	497	2	27	53	80	42.3	151.9	81.0
MARION.....	4,273	9	288	424	712	66.2+	147.8+	98.7+
MORROW.....	117	-	12	19	31	64.2	163.8	102.3
MULTNOMAH..	13,216	43	766	1229	1,995	82.5+	188.4+	126.2+
POLK.......	726	2	35	60	95	35.4-	91.8-	57.8-
SHERMAN....	26	-	-	3	3	-	-	-
TILLAMOOK..	314	-	15	33	48	39.8	114.6	72.2
UMATILLA...	984	3	56	105	161	42.2	127.9	74.9
UNION......	415	2	24	37	61	43.0	123.3	71.0
WALLOWA....	104	-	5	9	14	33.8	94.7	57.6
WASCO......	340	-	20	35	55	46.2	122.0	76.3
WASHINGTON.	5,869	12	244	418	662	39.4-	102.6-	64.5-
WHEELER....	11	-	1	3	4	-	-	-
YAMHILL....	1,101	3	60	106	166	45.0	135.4	78.5

1/ ALL RATES PER 1,000 POPULATION, + or - INDICATES A STATISTICALLY SIGNIFICANT DIFFERENCE FROM TOTAL RATE

- QUANTITY IS ZERO OR, IN THE CASE OF RATES, 3 EVENTS OR LESS OR A POPULATION LESS THAN 100

TABLE 9-6. BIRTH RATES OF TEEN MOTHERS BY COUNTY OF RESIDENCE, OREGON, 1988

COUNTY OF RESIDENCE	TOTAL BIRTHS	MOTHER'S AGE				15 -17 BIRTH RATE 1/	18 -19 BIRTH RATE 1/	15 -19 BIRTH RATE 1/
		UNDER 15	15-17	18-19	15-19			
Total......	39,850	57	1,547	2,949	4,496	27.4	74.0	46.7
BAKER......	185	-	12	13	25	37.0-	63.4-	47.3-
BENTON.....	864	-	14	35	49	11.1-	13.8-	12.9-
CLACKAMAS..	3,573	3	100	192	292	15.0	47.4	27.2
CLATSOP....	421	-	17	36	53	26.3	81.6	48.7
COLUMBIA...	491	1	12	45	57	12.4-	76.1	36.5
COOS.......	775	-	35	73	108	27.8	92.5	52.7
CROOK......	216	-	11	33	44	35.8	166.7+	87.1+
CURRY......	217	1	8	21	29	26.9	94.6	55.9
DESCHUTES..	980	1	34	80	114	21.5	82.6	44.7
DOUGLAS....	1,278	3	57	141	198	26.0	109.3+	56.8+
GILLIAM....	15	-	-	1	1	-	-	-
GRANT......	97	-	1	7	8	-	59.3	24.8-
HARNEY.....	117	-	6	5	11	30.3	44.2	35.4
HOOD RIVER.	281	-	4	19	23	12.9-	79.8	41.9
JACKSON....	1,910	2	74	176	250	23.7	89.8+	49.2
JEFFERSON..	297	-	24	34	58	86.3+	193.2+	127.8+
JOSEPHINE..	840	1	41	83	124	32.9	96.1	58.7+
KLAMATH....	822	2	57	81	138	44.3+	95.2	64.5+
LAKE.......	107	-	5	14	19	30.5	117.6	67.1
LANE.......	3,815	3	158	273	431	28.7	52.9-	40.4-
LINCOLN....	478	1	17	37	54	25.5	78.1	47.3
LINN.......	1,313	1	64	137	201	31.5	109.0+	61.1+
MALHEUR....	456	2	24	43	67	37.6	123.2+	67.8+
MARION.....	3,430	2	180	276	456	41.4+	96.2+	63.2+
MORROW.....	99	-	6	15	21	32.1	129.3	69.3
MULTNOMAH..	8,911	19	338	606	944	36.4+	92.9+	59.7+
POLK.......	624	2	27	41	68	27.3	62.7	41.4
SHERMAN....	22	-	-	2	2	-	-	-
TILLAMOOK..	247	-	9	24	33	23.9	83.3	49.6
UMATILLA...	814	2	37	81	118	27.9	98.7+	54.9
UNION......	316	1	12	21	33	21.5	70.0	38.4
WALLOWA....	89	-	3	5	8	20.3	52.6	32.9
WASCO......	283	-	12	29	41	27.7	101.0	56.9
WASHINGTON.	4,534	8	107	196	303	17.3-	48.1	29.5-
WHEELER....	10	-	1	3	4	-	-	-
YAMHILL....	923	2	40	71	111	30.0	90.7	52.5

1/ ALL RATES PER 1,000 POPULATION, + OR - INDICATES A STATISTICALLY SIGNIFICANT DIFFERENCE FROM THE TOTAL RATE

- QUANTITY IS ZERO OR, IN THE CASE OF RATES, 3 EVENTS OR LESS OR A POPULATION LESS THAN 100

TABLE 9-7. ABORTION RATES OF TEENS BY COUNTY OF RESIDENCE OREGON 1988

COUNTY OF RESIDENCE	TOTAL ABORTIONS	MOTHER'S AGE				15 -17 ABORTION RATE 1/	18 -19 ABORTION RATE 1/	15 -19 ABORTION RATE 1/
		UNDER 15	15-17	18-19	15-19			
Total......	12,302	65	1,346	1,920	3,266	23.8	48.2	33.9
BAKER......	38	-	5	7	12	15.4	34.1	22.7
BENTON.....	268	3	21	47	68	16.6	18.6-	17.9-
CLACKAMAS..	1,010	2	128	169	297	19.2-	41.8	27.7-
CLATSOP....	133	2	16	20	36	24.7	45.4	33.1
COLUMBIA...	108	-	17	10	27	17.5	16.9-	17.3-
COOS.......	203	2	28	28	56	22.2	35.5	27.3
CROOK......	41	-	5	8	13	16.3	40.4	25.7
CURRY......	54	-	5	9	14	16.8	40.5	27.0
DESCHUTES..	247	2	28	33	61	17.7	34.1-	23.9-
DOUGLAS....	275	2	34	47	81	15.5	36.4	23.2-
GILLIAM....	7	-	2	1	3	-	-	-
GRANT......	9	-	-	-	-	-	-	-
HARNEY.....	14	-	2	4	6	-	35.4	19.3
HOOD RIVER.	52	-	5	4	9	16.1	16.8	16.4
JACKSON....	587	2	72	94	166	23.1	47.9	32.7
JEFFERSON..	40	-	6	6	12	21.6	34.1	26.4
JOSEPHINE..	225	2	24	42	66	19.2	48.6	31.3
KLAMATH....	204	2	29	35	64	22.5	41.1	29.9
LAKE.......	10	-	4	1	5	24.4	-	17.7
LANE.......	1,193	4	104	181	285	18.9	35.0-	26.7-
LINCOLN....	124	1	14	16	30	21.0	33.8	26.3
LINN.......	225	2	40	37	77	19.7	29.4-	23.4-
MALHEUR....	41	-	3	10	13	4.7	-	13.2-
MARION.....	843	7	108	148	256	24.8	51.6	35.5
MORROW.....	18	-	6	4	10	32.1	34.5	33.0
MULTNOMAH..	4,305	24	428	623	1,051	46.1+	95.5+	66.5+
POLK.......	102	-	8	19	27	8.1	29.1-	16.4-
SHERMAN....	4	-	-	1	1	-	-	-
TILLAMOOK..	67	1	6	9	15	15.9	31.3	22.6
UMATILLA...	170	1	19	24	43	14.3-	29.2-	20.0-
UNION......	99	1	12	16	28	21.5	53.3	32.6
WALLOWA....	15	-	2	4	6	-	42.1	24.7
WASCO......	57	-	8	6	14	18.5	20.9	19.4-
WASHINGTON.	1,335	4	137	222	359	22.1	54.5	35.0
WHEELER....	1	-	-	-	-	-	-	-
YAMHILL....	178	1	20	35	55	15.0-	44.7	26.0-

1/ ALL RATES PER 1,000 POPULATION, + OR - INDICATES A STATISTICALLY SIGNIFICANT DIFFERENCE FROM THE TOTAL RATE

- QUANTITY IS ZERO, OR IN THE CASE OF RATES, 3 EVENTS OR LESS OR A POPULATION OF LESS THAN 100

TABLE 9-8. TEENS 15-19: BIRTHS, LEVEL OF PRENATAL CARE AND LOW BIRTH WEIGHT RATES BY OREGON COUNTY OF RESIDENCE, 1988

COUNTY OF RESIDENCE	TOTAL BIRTHS	BIRTH RATE 1/	LOW WEIGHT BIRTHS	RATE OF LBW 2/	INADE-QUATE CARE	RATE OF INADE-QUATE CARE 2/
Total...........	4,496	594.6	319	71.0	752	167.3
BAKER...........	25	47.3	0	.0	5	200.0
BENTON..........	49	12.9	0	.0	4	81.6
CLACKAMAS.......	292	27.2	20	68.5	50	171.2
CLATSOP.........	53	48.7	0	.0	9	169.8
COLUMBIA........	57	36.5	1	17.5	5	87.7
COOS............	108	52.7	6	55.6	13	120.4
CROOK...........	44	87.1	2	45.5	2	45.5
CURRY...........	29	55.9	0	.0	2	69.0
DESCHUTES.......	114	44.7	6	52.6	22	193.0
DOUGLAS.........	198	56.8	18	90.9	29	146.5
GILLIAM.........	1	20.0	0	-	0	-
GRANT...........	8	24.8	2	-	2	-
HARNEY..........	11	35.4	0	.0	1	90.9
HOOD RIVER......	23	41.9	1	43.5	2	87.0
JACKSON.........	250	49.2	23	92.0	51	204.0
JEFFERSON.......	58	127.8	8	137.9	10	172.4
JOSEPHINE.......	124	58.7	7	56.5	27	217.7
KLAMATH.........	138	64.5	8	58.0	26	188.4
LAKE............	19	67.1	1	52.6	0	.0
LANE............	431	40.4	24	55.7	93	215.8
LINCOLN.........	54	47.3	3	55.6	7	129.6
LINN............	201	61.1	12	59.7	38	189.1
MALHEUR.........	67	67.8	4	59.7	10	149.3
MARION..........	456	63.2	27	59.3	76	166.7
MORROW..........	21	69.3	1	47.6	3	142.9
MULTNOMAH.......	944	59.7	94	99.7	158	167.4
POLK............	68	41.4	3	44.1	13	191.2
SHERMAN.........	2	28.2	0	-	0	-
TILLAMOOK.......	33	49.6	3	90.9	8	242.4
UMATILLA........	118	54.9	11	93.2	19	161.0
UNION...........	33	38.4	1	30.3	5	151.5
WALLOWA.........	8	32.9	1	-	1	-
WASCO...........	41	56.9	0	.0	3	73.2
WASHINGTON......	303	29.5	21	69.3	41	135.3
WHEELER.........	4	76.9	0	-	1	-
YAMHILL.........	111	52.5	11	99.1	16	144.1

1/ RATES PER 1,000 FEMALES 15-19 YEARS OLD. RATES NOT CALCULATED IF POPULATION LESS THAN 200.

2/ RATES PER 1,000 BIRTHS; NOT CALCULATED IF LESS THAN 10.

TABLE 9-9. BIRTH OUTCOMES OF INFANTS BY COUNTY OF RESIDENCE AND AGE OF MOTHER, OREGON, 1988

BIRTH OUTCOMES	MOTHER'S AGE									
	TOTAL BIRTHS	UNDER 15	15	16	17	18	19	15-19	20 +	N.S.
Total	39,850	57	195	465	887	1,307	1,642	4,496	35,295	2
BIRTH WEIGHT 1/										
1499 GR. OR LESS	314	2	3	6	13	13	18	53	259	-
< 28 WEEKS	100	-	1	4	5	5	3	18	82	-
28-36 WEEKS	166	2	-	1	7	6	11	25	139	-
37-41 WEEKS	18	-	1	-	-	1	-	2	16	-
42 + WEEKS	1	-	-	-	-	-	-	-	1	-
NOT STATED	29	-	1	1	1	1	4	8	21	-
1500-2499 GRAMS	1,782	8	13	37	44	86	86	266	1,508	-
< 28 WEEKS	14	-	-	-	1	-	1	2	12	-
28-36 WEEKS	776	4	4	16	15	32	37	104	668	-
37-41 WEEKS	766	2	4	14	20	36	34	108	656	-
42 + WEEKS	119	1	4	2	5	7	9	27	91	-
NOT STATED	107	1	1	5	3	11	5	25	81	-
2500+ GRAMS	37,743	47	179	422	829	1,208	1,537	4,175	33,521	-
< 28 WEEKS	38	-	-	2	-	1	4	7	31	-
28-36 WEEKS	1,451	3	10	29	41	82	72	234	1,214	-
37-41 WEEKS	26,738	30	114	239	549	722	992	2,616	24,092	-
42 + WEEKS	8,027	10	43	133	177	335	387	1,075	6,942	-
NOT STATED	1,489	4	12	19	62	68	82	243	1,242	-
COMPLICATION OF LABOR & DELIVERY	9,952	13	47	113	196	282	410	1,048	8,891	-
BREECH	959	2	3	9	17	34	43	106	851	-
OTHER MALPRESENTATIONS	407	1	2	5	7	14	15	43	363	-
ABRUPTIO PLACENTA	216	-	-	2	4	9	9	24	192	-
PLACENTA PREVIA	123	-	1	4	1	-	-	6	117	-
PREVIOUS C-SECTION	2,105	-	-	1	7	22	42	72	2,033	-
OTHER	6,142	10	41	92	160	203	301	797	5,335	-
BIRTH ORDER										
1ST	15,563	55	188	437	743	1,010	1,146	3,524	11,984	-
2ND	13,346	2	6	27	127	269	389	818	12,526	-
3RD	6,739	-	1	1	15	25	86	128	6,611	-
4TH	2,531	-	-	-	1	1	18	20	2,511	-
5 +	1,530	-	-	-	-	-	-	-	1,530	-
UNKNOWN	141	-	-	-	1	2	3	6	133	2
5 MIN. APGAR										
0-3	154	-	3	4	8	7	7	29	125	-
4-6	582	2	5	9	18	19	31	82	498	-
7-10	38,838	54	186	449	854	1,269	1,587	4,345	34,439	-
NOT STATED	276	1	1	3	7	12	17	40	233	2
CESAREAN SECTION	8,099	7	30	78	138	193	293	732	7,360	-
TOTAL ANOMALIES	412	1	-	4	7	17	17	45	365	1
CENTRAL NERVOUS	35	1	-	-	-	1	2	3	31	-
CIRCULATORY	22	-	-	-	-	1	1	2	20	-
DIGESTIVE	52	-	-	1	-	3	1	5	47	-
GENITO-URINARY	44	-	-	-	1	4	3	8	36	-
MUSCULOSKELETAL	127	-	-	2	5	3	6	16	111	-
DOWN SYNDROME	19	-	-	-	-	-	-	-	18	1
SKIN	30	-	-	-	-	-	1	1	29	-
OTHER	78	-	-	1	1	5	3	10	68	-
MULTIPLE	5	-	-	-	-	-	-	-	5	-

1/ EXCLUDES 7 UNKNOWN BIRTHWEIGHTS
- QUANTITY IS ZERO

TABLE 9-10. DEMOGRAPHIC CHARACTERISTICS OF MOTHER BY AGE AND COUNTY OF RESIDENCE OREGON, 1988

DEMOGRAPHICS OF MOTHER	MOTHER'S AGE									
	TOTAL BIRTHS	UNDER 15	15	16	17	18	19	15-19	20 +	N.S.
Total................	39,850	57	195	465	887	1,307	1,642	4,496	35,295	2
RACE OF MOTHER										
WHITE................	35,541	35	146	368	737	1,108	1,440	3,799	31,706	1
HISPANIC.............	1,634	11	17	42	73	92	103	327	1,296	-
BLACK................	888	8	19	27	43	60	43	192	688	-
INDIAN...............	596	1	6	19	25	28	30	108	487	-
OTHER NON-WHITE......	1,179	2	7	9	9	19	26	70	1,107	-
N.S..................	12	-	-	-	-	-	-	-	11	1
MARITAL STATUS										
UNWED................	9,377	55	171	398	652	795	818	2,834	6,488	-
MARRIED..............	30,370	2	24	66	232	507	817	1,646	28,721	1
UNKNOWN..............	103	-	-	1	3	5	7	16	86	1
EDUCATION										
GRADE SCHOOL.........	1,395	39	66	69	73	88	77	373	983	-
9TH GRADE............	1,325	16	102	130	147	105	115	599	710	-
10TH GRADE...........	2,468	-	23	190	255	227	201	896	1,572	-
11TH GRADE...........	2,910	-	-	49	264	335	284	932	1,978	-
12TH GRADE...........	15,219	-	1	20	124	518	813	1,476	13,743	-
SOME COLLEGE.........	9,209	-	-	-	1	20	110	131	9,078	-
COLLEGE..............	4,157	-	-	-	-	-	-	-	4,157	-
POST-BACCALAUREATE..	2,521	-	-	-	-	-	-	-	2,521	-
CHILDREN NOW ALIVE										
ONE..................	13,573	1	6	25	124	264	390	809	12,763	-
TWO..................	6,691	-	1	1	13	23	84	122	6,569	-
THREE................	2,485	-	-	-	1	-	15	16	2,469	-
FOUR +...............	1,378	-	-	-	-	-	-	-	1,378	-
UNKNOWN..............	9	-	-	-	-	-	-	-	7	2
COMPLICATION OF PREGNANCY............	3,090	10	22	43	86	93	147	391	2,689	-
PREECLAMPSIA.........	517	5	9	14	22	20	48	113	399	-
ANEMIA...............	309	-	2	7	17	22	21	69	240	-
HEMORRHAGE...........	125	2	-	2	-	-	3	5	118	-
POST-DATES...........	374	-	-	3	7	14	15	39	335	-
GEST. DIABETES.......	567	-	-	-	5	2	14	21	546	-
OTHER................	1,198	3	11	17	35	35	46	144	1,051	-
CONCURRENT ILLNESS DURING PREGNANCY.....	1,571	3	9	22	41	54	58	184	1,384	-
CHRONIC HYPERTENSION.........	172	-	1	1	4	4	6	16	156	-
RH SENSITIZATION....	287	-	1	2	5	16	6	30	257	-
HERPES...............	264	-	-	2	6	2	7	17	247	-
DIABETES.............	97	-	1	-	-	1	3	5	92	-
ACUTE UTI............	173	-	5	8	9	8	18	48	125	-
OTHER................	578	3	1	9	17	23	18	68	507	-
ADEQUACY OF PRENATAL CARE										
INADEQUATE...........	3,330	16	40	96	166	213	237	752	2,562	-
ADEQUATE.............	36,320	41	155	365	710	1,083	1,395	3,708	32,571	-
NOT STATED...........	200	-	-	4	11	11	10	36	162	2

- QUANTITY IS ZERO

TABLE 9-11. DEMOGRAPHIC CHARACTERISTICS OF ABORTION PATIENTS BY AGE OREGON RESIDENTS, 1988

DEMOGRAPHICS OF PATIENT	MOTHER'S AGE							
	TOTAL ABORTIONS	UNDER 15	15	16	17	18	19	15-19
TOTAL................	12,254	65	191	459	696	1,013	907	3,266
RACE OF MOTHER								
WHITE...............	10,788	58	165	404	612	903	803	2,887
HISPANIC............	230	1	5	6	10	13	21	55
BLACK...............	519	3	13	29	37	49	39	167
INDIAN..............	106	-	1	5	8	10	5	29
OTHER NON-WHITE.....	367	1	2	7	11	27	19	66
NOT STATED..........	244	2	5	8	18	11	20	62
MARITAL STATUS								
MARRIED.............	2,168	-	2	5	12	22	47	88
SINGLE..............	9,712	65	185	441	666	966	842	3,100
UNKNOWN.............	374	-	4	13	18	25	18	78
EDUCATION								
GRADE SCHOOL........	209	39	25	13	11	11	13	73
9TH GRADE...........	415	23	101	71	23	21	24	240
10TH GRADE..........	920	3	46	244	125	77	47	539
11TH GRADE..........	1,295	-	9	103	364	192	77	745
12TH GRADE..........	5,122	-	1	18	144	595	494	1,252
SOME COLLEGE........	2,784	-	-	2	7	85	230	324
COLLEGE.............	658	-	-	-	-	-	2	2
POST-BACCALAUREATE..	367	-	-	-	-	-	-	-
CHILDREN NOW ALIVE								
ONE.................	2,654	-	8	22	61	123	161	375
TWO.................	2,008	-	1	3	4	18	39	65
THREE +.............	957	-	-	-	2	4	6	12
UNKNOWN.............	211	1	7	10	10	20	16	63
PREVIOUS ABORTIONS								
NONE................	6,801	60	170	410	578	793	629	2,580
ONE.................	3,302	4	12	37	97	161	207	514
TWO.................	1,221	-	-	2	6	32	41	81
THREE +.............	625	-	-	-	1	2	10	13
NOT STATED..........	305	1	9	10	14	25	20	78
GESTATION								
EIGHT OR LESS.......	5,945	25	74	185	273	461	400	1,393
9-12................	4,980	27	82	220	298	432	383	1,415
13-16...............	755	8	18	32	74	73	73	270
16+.................	497	4	15	19	48	39	47	168
UNKNOWN.............	77	1	2	3	3	8	4	20
CONTRACEPTIVE								
NONE USED...........	7,506	55	151	347	516	721	585	2,320
USED................	4,315	7	31	105	158	257	299	850
CONDOMS & PROPHYLACTICS......	1,469	5	23	67	83	153	131	457
PILLS.............	998	-	6	21	42	65	95	229
OTHER SPECIFIED....	1,848	2	2	17	33	39	73	164
NOT STATED..........	433	3	9	7	22	35	23	96
MEDICAL PROCEDURE								
SUCTION CURETTAGE...	10,101	50	144	378	541	840	724	2,627
DILATION EVACUATION.	1,986	14	42	72	145	157	170	586
OTHER SPECIFIED.....	167	1	5	9	10	16	13	53

- QUANTITY IS ZERO

POPULATION

TABLE 10-1. POPULATION DISTRIBUTION BY AGE AND SEX, OREGON, 1950, 1960, 1970, 1975, 1978-1988

YEAR AND SEX	TOTAL	AGE GROUPS																
		0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+
1950	1,521,341	163,915	131,596	108,140	96,738	105,070	117,706	116,800	117,361	105,575	93,228	86,118	77,843	68,230	54,455	37,095	34,979	1/	6,492
M	772,776	83,614	67,244	55,528	47,652	51,469	57,940	57,930	59,391	54,452	48,574	44,802	40,426	36,027	28,498	19,085	17,143	1/	3,001
F	748,565	80,301	64,352	52,612	49,086	53,601	59,766	58,870	57,970	51,123	44,654	41,316	37,417	32,203	25,957	18,010	17,836	1/	3,491
1960	1,768,675	185,403	189,333	170,768	131,315	95,773	96,636	107,999	118,152	116,218	114,074	101,313	87,606	74,007	65,908	52,734	34,274	17,713	9,449
M	879,929	94,330	96,553	87,191	64,463	46,011	47,318	52,924	57,451	57,832	57,574	52,052	43,615	37,003	32,257	25,175	16,407	7,935	3,838
F	888,746	91,073	92,780	83,577	66,852	49,762	49,318	55,075	60,701	58,386	56,500	49,261	43,991	37,004	33,651	27,559	17,867	9,778	5,611
1970	2,091,385	164,060	194,345	211,284	203,362	162,638	138,978	115,599	107,832	117,950	124,395	118,996	110,739	94,408	75,601	60,321	44,263	27,900	18,714
M	1,023,952	83,836	99,274	107,664	100,952	75,549	68,827	57,764	52,738	57,790	60,407	58,563	54,576	45,809	35,886	26,956	18,946	11,249	7,166
F	1,067,433	80,224	95,071	103,620	102,410	87,089	70,151	57,835	55,094	60,160	63,988	60,433	56,163	48,599	39,715	33,365	25,317	16,651	11,548
1975	2,292,734	166,930	176,125	211,149	224,538	222,013	180,346	152,553	122,891	114,611	120,938	125,783	117,631	106,710	86,844	66,077	48,381	31,022	18,194
M	1,120,178	85,331	89,859	107,668	114,204	108,866	84,271	76,482	61,305	55,959	58,944	60,547	56,993	51,149	40,571	29,622	19,879	11,966	6,562
F	1,172,556	81,599	86,266	103,481	110,334	113,146	96,075	76,071	61,586	58,652	61,994	65,236	60,638	55,561	46,273	36,455	28,502	19,056	11,632
1976	2,341,750	172,424	175,344	209,303	226,690	229,608	190,936	160,657	128,823	116,345	120,577	126,254	119,290	108,763	89,328	67,880	49,383	31,706	18,439
M	1,143,803	88,143	89,456	106,720	115,506	113,285	89,543	79,900	64,416	56,927	58,761	60,694	57,565	51,978	41,610	30,365	20,234	12,124	6,576
F	1,197,947	84,281	85,888	102,583	111,184	116,323	101,393	80,757	64,407	59,418	61,816	65,560	61,725	56,785	47,718	37,515	29,149	19,582	11,863
1977	2,396,100	179,795	175,649	206,981	228,350	236,061	202,618	169,247	135,742	119,006	120,417	126,533	121,162	110,794	91,997	69,983	50,500	32,445	18,820
M	1,170,016	91,918	89,616	105,526	116,468	117,110	95,706	83,323	67,909	58,406	58,661	60,810	58,223	52,781	42,734	31,216	20,669	12,298	6,642
F	1,226,084	87,877	86,033	101,455	111,882	118,951	106,912	85,924	67,833	60,600	61,756	65,723	62,939	58,013	49,263	38,767	29,831	20,147	12,178
1978	2,472,000	191,405	179,233	206,478	231,143	241,353	217,906	182,004	145,922	124,002	120,688	126,506	123,112	112,545	94,626	71,986	51,100	32,763	19,227
M	1,207,195	97,767	91,305	105,112	117,886	120,554	103,730	88,303	72,747	61,020	58,722	60,815	58,979	53,507	44,054	32,229	21,178	12,437	6,848
F	1,264,805	93,638	87,928	101,366	113,257	120,799	114,176	93,701	73,175	62,982	61,966	65,691	64,133	59,038	50,572	39,757	29,922	20,326	12,399
1979	2,544,000	204,020	181,640	202,110	231,490	247,390	233,900	192,190	155,310	129,100	121,090	126,300	125,540	114,600	97,810	74,920	52,920	33,700	19,970
M	1,241,920	104,170	92,600	102,900	117,910	124,010	113,070	92,090	77,590	63,850	58,890	60,800	59,910	54,180	45,280	33,200	21,880	12,590	7,000
F	1,302,080	99,850	89,040	99,210	113,580	123,380	120,830	100,100	77,720	65,250	62,200	65,500	65,630	60,420	52,530	41,720	31,040	21,110	12,970
1980	2,632,663	197,951	189,293	202,546	225,814	237,788	253,472	227,565	170,694	133,101	119,249	124,344	129,886	117,676	105,165	79,367	55,327	34,994	28,431
M	1,296,355	101,815	96,965	103,594	114,690	117,800	126,867	115,071	86,047	67,073	58,948	60,356	62,001	56,031	49,287	35,404	22,747	12,802	8,857
F	1,336,308	96,136	92,328	98,952	111,124	119,988	126,605	112,494	84,647	66,028	60,301	63,988	67,885	61,645	55,878	43,963	32,580	22,192	19,574
1981	2,660,435	203,594	184,616	203,543	217,750	234,053	252,725	241,926	179,636	140,523	118,937	122,571	128,335	119,708	107,390	83,548	56,478	36,576	28,526
M	1,310,480	104,334	94,477	104,341	111,275	115,874	126,043	122,079	90,690	70,811	59,188	59,493	61,398	56,675	50,396	37,441	23,405	13,444	9,116
F	1,349,955	99,260	90,139	99,202	106,475	118,179	126,682	119,847	88,946	69,712	59,749	63,078	66,937	63,033	56,994	46,107	33,073	23,132	19,410
1982	2,656,185	205,442	184,989	200,663	214,621	225,266	245,516	240,579	191,815	145,302	119,328	118,393	124,286	121,205	108,828	87,242	122,710	2/	
M	1,308,018	104,536	94,896	102,787	110,004	112,537	121,444	121,229	96,778	73,205	59,541	57,526	59,397	57,238	50,920	39,287	46,693	2/	
F	1,348,167	100,906	90,093	97,876	104,617	112,729	124,072	119,350	95,037	72,097	59,787	60,867	64,889	63,967	57,908	47,955	76,017	2/	
1983	2,634,993	200,502	185,101	195,306	208,383	221,102	233,950	236,452	197,788	150,869	119,798	113,707	119,496	121,107	110,442	90,061	130,929	2/	
M	1,292,711	102,231	95,121	99,869	106,267	110,629	115,627	118,621	99,538	75,798	59,704	55,279	57,032	56,925	51,386	40,321	48,363	2/	
F	1,342,282	98,271	89,980	95,437	102,116	110,473	118,323	117,831	98,250	75,071	60,094	58,428	62,464	64,182	59,056	49,740	82,566	2/	
1984	2,660,000	201,561	189,002	189,940	203,518	224,882	227,497	240,883	208,395	159,323	124,516	113,420	118,076	118,774	111,029	93,393	135,791	2/	
M	1,307,023	102,591	97,255	97,250	103,737	113,484	112,302	120,975	105,194	80,218	62,374	55,513	56,574	55,671	51,445	41,826	50,614	2/	
F	1,352,977	98,970	91,747	92,690	99,781	111,398	115,195	119,908	103,201	79,105	62,142	57,907	61,502	63,103	59,584	51,567	85,177	2/	

TABLE 10-1. POPULATION DISTRIBUTION BY AGE AND SEX, OREGON, 1950, 1960, 1970, 1975, 1978-1988 (CONTINUED)

YEAR AND SEX	TOTAL	AGE GROUPS															
		0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+
1985	2,675,800	198,995	195,271	184,845	197,808	215,641	227,827	243,741	222,457	165,140	128,521	112,530	115,551	118,327	113,657	93,372	142,117 2/
M	1,313,949	101,338	100,344	94,619	101,111	109,413	112,518	121,577	112,168	83,090	64,509	55,332	55,429	55,393	52,316	41,694	53,098 2/
F	1,361,851	97,657	94,927	90,226	96,697	106,228	115,309	122,164	110,289	82,050	64,012	57,198	60,122	62,934	61,341	51,678	89,019 2/
1986	2,659,500	192,981	198,234	178,510	201,362	218,875	215,376	230,757	226,179	170,171	132,244	110,782	112,555	115,440	113,886	94,884	147,262 2/
M	1,306,352	99,387	101,905	91,311	103,035	111,407	106,184	114,740	113,865	85,721	66,366	54,767	53,979	54,110	52,262	42,354	54,957 2/
F	1,353,148	93,594	96,329	87,199	98,327	107,468	109,192	116,017	112,314	84,450	65,878	56,015	58,576	61,330	61,624	52,530	92,305 2/
1987	2,690,000	192,835	200,887	177,142	192,540	202,447	221,131	240,492	233,108	185,303	139,735	113,692	111,266	114,319	116,900	94,415	153,788 2/
M	1,319,182	98,346	102,721	90,813	59,308	103,541	109,192	119,268	117,116	93,245	70,128	56,357	53,421	53,559	53,493	42,000	57,446 2/
F	1,370,818	94,489	98,166	86,329	94,004	98,906	111,939	121,224	115,992	92,058	69,607	57,335	57,845	60,760	63,407	52,415	96,342 2/
1988	2,741,000	192,567	203,622	185,233	196,610	199,752	222,959	240,352	238,871	196,152	148,261	117,137	110,863	114,273	118,350	97,002	158,996 2/
M	1,343,473	98,209	103,999	95,157	100,306	102,116	111,083	118,915	119,769	98,570	74,365	58,090	53,296	53,527	53,905	42,965	59,201 2/
F	1,397,527	94,358	99,623	90,076	96,304	97,636	111,876	121,437	119,102	97,582	73,896	59,047	57,567	60,746	64,445	54,037	99,795 2/

1/ Includes ages 75-84. 2/ Includes ages 75 and over.
1950, 1960, 1970, 1980 are U.S. Census. All others are estimates provided by Center for Population Research and Census, Portland State University, 1986 base.

TABLE 10-2. POPULATION PROJECTION BY AGE AND SEX, OREGON, 1990, 1995, AND 2000

YEAR AND SEX	TOTAL	AGE GROUPS															
		0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+
1990	2,884,000	210,811	211,928	206,098	204,524	215,940	227,596	244,601	258,196	222,671	164,716	126,895	111,415	111,477	110,963	96,037	160,132 2/
M	1,422,190	108,430	108,902	105,836	104,374	108,967	113,356	123,422	132,219	113,112	82,825	63,399	54,084	52,442	50,207	42,233	58,382 2/
F	1,461,810	102,381	103,026	100,262	100,150	106,973	114,240	121,179	125,977	109,559	81,891	63,496	57,331	59,035	60,756	53,804	101,750 2/
1995	3,094,600	217,904	215,813	223,094	223,470	215,424	220,902	250,190	259,393	263,069	224,573	164,967	126,277	108,957	105,269	99,461	175,837 2/
M	1,530,388	112,082	110,906	114,569	114,418	108,929	109,916	127,881	132,613	134,703	113,850	82,545	62,356	51,858	47,964	42,922	62,876 2/
F	1,564,212	105,822	104,907	108,525	109,052	106,495	110,986	122,309	126,780	128,366	110,723	82,422	63,921	57,099	57,305	56,539	112,961 2/
2000	3,304,300	227,188	222,992	227,100	240,080	234,004	220,528	243,843	265,433	264,132	263,772	222,937	162,764	123,000	103,195	94,641	188,691 2/
M	1,638,396	116,855	114,596	116,638	122,926	118,718	109,948	124,629	137,218	135,031	134,676	112,441	80,502	59,550	47,585	41,162	65,921 2/
F	1,665,904	110,333	108,396	110,462	117,154	115,286	110,580	119,214	128,215	129,101	129,096	110,496	82,262	63,450	55,610	53,479	122,770 2/

2/ Includes ages 75 and over.
Estimates provided by Center for Population Research and Census, Portland State University, 1984 base.

TABLE 10-3. POPULATION PROJECTION BY AGE AND SEX, OREGON, 1990, 1995, 2000, 2005, AND 2010

YEAR AND SEX	TOTAL	AGE GROUPS																	
		0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+
1990	2,766,000	196,000	197,000	193,000	180,000	185,000	222,000	255,000	259,000	220,000	159,000	120,000	104,000	104,000	106,000	100,000	77,000	48,000	40,000
M	1,365,000	100,000	102,000	99,000	92,000	92,000	112,000	130,000	132,000	111,000	79,000	59,000	51,000	50,000	50,000	46,000	32,000	18,000	12,000
F	1,401,000	96,000	96,000	94,000	88,000	93,000	110,000	126,000	127,000	109,000	79,000	61,000	54,000	54,000	56,000	55,000	44,000	30,000	29,000
1995	2,828,000	182,000	198,000	201,000	190,000	169,000	192,000	229,000	252,000	253,000	214,000	155,000	118,000	100,000	97,000	92,000	81,000	55,000	49,000
M	1,396,000	93,000	101,000	104,000	97,000	84,000	97,000	116,000	128,000	128,000	107,000	77,000	57,000	48,000	46,000	42.000	35,000	21,000	14,000
F	1,432,000	89,000	97,000	97,000	93,000	86,000	95,000	113,000	124,000	125,000	106,000	79,000	61,000	52,000	51,000	50,000	47,000	34,000	34,000
2000	2,877,000	170,000	185,000	201,000	200,000	178,000	177,000	200,000	228,000	248,000	245,000	208,000	152,000	113,000	94,000	85,000	76,000	59,000	58,000
M	1,420,000	87,000	95,000	103,000	102,000	88,000	90,000	102,000	116,000	125,000	123,000	103,000	75,000	55,000	45,000	39,000	32,000	22,000	17,000
F	1,456,000	83,000	90,000	98,000	97,000	90,000	87,000	98,000	112,000	122,000	122,000	105,000	77,000	58,000	49,000	46,000	43,000	37,000	41,000
2005	2,930,000	168,000	174,000	190,000	200,000	189,000	184,000	185,000	200,000	226,000	243,000	239,000	204,000	146,000	106,000	83,000	71,000	56,000	66,000
M	1,447,000	86,000	89,000	97,000	102,000	94,000	93,000	95,000	102,000	115,000	122,000	119,000	100,000	71,000	51,000	38,000	31,000	21,000	20,000
F	1,483,000	82,000	85,000	92,000	98,000	95,000	91,000	91,000	98,000	111,000	120,000	120,000	103,000	74,000	55,000	44,000	40,000	35,000	47,000
2010	2,991,000	172,000	173,000	179,000	189,000	190,000	197,000	192,000	186,000	199,000	223,000	239,000	234,000	195,000	137,000	94,000	69,000	53,000	70,000
M	1,478,000	88,000	88,000	92,000	96,000	94,000	100,000	98,000	95,000	102,000	113,000	119,000	116,000	96,000	67,000	44,000	30,000	20,000	21,000
F	1,513,000	84,000	84,000	87,000	93,000	96,000	97,000	94,000	91,000	98,000	110,000	120,000	118,000	99,000	71,000	50,000	39,000	32,000	49,000

Current Population Reports, Population Estimates and Projections, Series P-25, No. 1017. U.S. Department of Commerce, Bureau of the Census, 1986 base.

TABLE 10-4.	TOTAL POPULATION FORECAST FOR OREGON
1990	2,815,070
1995	2,929,940
2000	3,083,220
2005	3,248,550
2010	3,357,090

1988 Consensus Forecast,
Bonneville Power Administration,
NW Power Planning Council

TABLE 10-5. PRELIMINARY ESTIMATES OF FIVE-YEAR-AGE GROUPS BY SEX, OREGON AND ITS COUNTIES, JULY 1, 1988

	TOTAL 0-4	TOTAL 5-9	TOTAL 10-14	TOTAL 15-17	TOTAL 18-19	TOTAL 15-19	TOTAL 20-24	TOTAL 25-29	TOTAL 30-34	TOTAL 35-39	TOTAL 40-44	TOTAL 45-49	TOTAL 50-54	TOTAL 55-59	TOTAL 60-64	TOTAL 65-69	TOTAL 70-74	TOTAL 75+	TOTAL All Ages
STATE	192567	203622	185233	115711	80899	196610	199752	222959	240352	238871	196152	148261	117137	110863	114273	118350	97002	158996	2741000
BAKER	931	1081	1017	651	441	1092	1128	1017	1024	1122	941	822	717	692	697	781	753	1335	15150
BENTON	4383	4491	4143	2502	5236	7738	11827	7089	5233	4407	4210	3282	2509	2286	2129	2151	1583	2639	70100
CLACKAMAS	18387	19809	19858	13671	8207	21878	20199	18738	18537	22314	21409	17014	12533	11352	11009	9983	7410	11770	262200
CLATSOP	2204	2498	2220	1334	855	2189	2240	3045	2970	2997	2207	1748	1380	1350	1518	1534	1460	2440	34000
COLUMBIA	2582	2994	3058	1984	1236	3220	2814	2551	2539	3000	2735	2075	1596	1517	1489	1454	1229	1947	36800
COOS	3613	4291	4227	2642	1625	4267	4067	4385	4528	4618	3728	3170	2733	2648	2631	3182	2672	4040	58800
CROOK	929	1080	968	635	377	1012	923	936	930	1006	868	716	621	590	550	721	596	854	13300
CURRY	935	1144	988	607	470	1077	1317	1159	1350	1341	1132	948	843	837	1050	1413	1224	1642	18400
DESCHUTES	4993	5376	4824	3247	1937	5184	4558	4951	5699	6417	5080	3857	2923	2493	2563	3479	2683	3620	68700
DOUGLAS	6225	7197	6975	4447	2678	7125	6845	7011	7189	7137	6182	4918	4158	4173	4075	4626	3751	5413	93000
GILLIAM	96	139	114	61	45	106	143	134	151	136	114	88	95	114	95	105	79	141	1850
GRANT	566	670	609	389	238	627	588	579	616	683	525	488	411	398	373	377	337	503	8350
HARNEY	496	595	637	394	231	625	504	522	600	580	469	438	376	318	318	297	238	387	7400
HOOD RIVER	1294	1379	1185	685	473	1158	1080	1236	1388	1360	1135	829	744	770	704	658	613	967	16500
JACKSON	10094	10261	9811	6391	3979	10370	9929	11344	11320	11986	10103	7828	6346	5786	6039	7176	5848	9159	143400
JEFFERSON	1322	1182	997	578	343	921	891	834	833	809	673	542	517	438	438	505	446	552	11900
JOSEPHINE	3738	4138	4082	2596	1852	4448	4678	4387	4343	5020	4460	3583	2928	2790	3044	3997	3351	5013	64000
KLAMATH	3905	4249	4085	2718	1755	4473	4144	4732	4496	4791	3794	3037	2591	2503	2522	2627	2150	3201	57300
LAKE	480	526	535	304	237	541	527	499	593	583	451	417	378	374	371	321	299	405	7300
LANE	17879	19606	18297	11356	10028	21384	25895	27622	23916	19747	18626	14495	10845	10133	10320	11686	9119	14130	273700
LINCOLN	2429	2697	2257	1331	936	2267	2375	2689	3251	3385	2607	1916	1697	1774	2089	2237	2083	3047	38800
LINN	6044	6595	6469	4166	2631	6797	6453	6989	7345	7424	5940	4814	3754	3560	3561	4341	3405	5309	88800
MALHEUR	2065	2273	2111	1259	730	1989	1988	2107	1900	1821	1514	1188	1086	1154	1166	1236	1051	1751	26400
MARION	16540	17289	15240	8953	5878	14831	14723	18190	19418	18545	14740	11135	9124	8347	8516	10070	7987	14305	219000
MORROW	666	677	623	399	226	625	590	556	670	624	502	420	393	343	328	239	227	317	7800
MULTNOMAH	39078	39465	32097	18896	13272	32168	32859	48272	62685	59940	41961	28592	22743	23132	25738	23508	20401	37861	570500
POLK	3218	3443	3209	2049	1383	3432	3361	4355	4137	3934	3341	2534	2081	1972	1925	1832	1586	2930	47300
SHERMAN	110	163	146	83	58	141	157	131	153	155	120	93	82	93	130	87	115	124	2000
TILLAMOOK	1202	1535	1366	790	588	1378	1426	1397	1658	1789	1339	1072	915	980	1146	1251	1189	1757	21400
UMATILLA	4390	4979	4361	2559	1598	4157	3881	4491	4925	4654	3656	2883	2430	2351	2493	2504	2050	3395	57600
UNION	1638	1957	1859	1144	642	1786	1603	2019	1873	1808	1501	1220	961	850	858	975	865	1527	23300
WALLOWA	445	577	478	282	194	476	521	475	546	591	412	402	339	375	359	351	321	532	7200
WASCO	1366	1546	1532	933	592	1525	1432	1387	1498	1669	1349	1087	873	873	919	1079	900	1565	20600
WASHINGTON	23343	22367	20087	12786	8316	21102	19814	21873	27227	27911	24374	17534	13000	11108	10804	9052	6733	10671	287000
WHEELER	57	78	86	64	44	108	113	80	72	90	83	78	64	79	66	80	89	127	1350
YAMHILL	4924	5275	4682	2825	1568	4393	4159	5167	4739	4477	3871	2998	2351	2310	2240	2435	2159	3620	59800

TABLE 10-5. PRELIMINARY ESTIMATES OF FIVE-YEAR-AGE GROUPS BY SEX, OREGON AND ITS COUNTIES, JULY 1, 1988

	TOTAL 0-4	TOTAL 5-9	TOTAL 10-14	TOTAL 15-17	TOTAL 18-19	TOTAL 15-19	TOTAL 20-24	TOTAL 25-29	TOTAL 30-34	TOTAL 35-39	TOTAL 40-44	TOTAL 45-49	TOTAL 50-54	TOTAL 55-59	TOTAL 60-64	TOTAL 65-69	TOTAL 70-74	TOTAL 75+	TOTAL All Ages
STATE	192567	203622	185233	115711	80899	196610	199752	222959	240352	238871	196152	148261	117137	110863	114273	118350	97002	158996	2741000
BAKER	931	1081	1017	651	441	1092	1128	1017	1024	1122	941	822	717	692	697	781	753	1335	15150
BENTON	4383	4491	4143	2502	5236	7738	11827	7089	5233	4407	4210	3282	2509	2286	2129	2151	1583	2639	70100
CLACKAMAS	18387	19809	19858	13671	8207	21878	20199	18738	18537	22314	21409	17014	12533	11352	11009	9983	7410	11770	262200
CLATSOP	2204	2498	2220	1334	855	2189	2240	3045	2970	2997	2207	1748	1380	1350	1518	1534	1460	2440	34000
COLUMBIA	2582	2994	3058	1984	1236	3220	2814	2551	2539	3000	2735	2075	1596	1517	1489	1454	1229	1947	36800
COOS	3613	4291	4227	2642	1625	4267	4067	4385	4528	4618	3728	3170	2733	2648	2631	3182	2672	4040	58800
CROOK	929	1080	968	635	377	1012	923	936	930	1006	868	716	621	590	550	721	596	854	13300
CURRY	935	1144	988	607	470	1077	1317	1159	1350	1341	1132	948	843	837	1050	1413	1224	1642	18400
DESCHUTES	4993	5376	4824	3247	1937	5184	4558	4951	5699	6417	5080	3857	2923	2493	2563	3479	2683	3620	68700
DOUGLAS	6225	7197	6975	4447	2678	7125	6845	7011	7189	7137	6182	4918	4158	4173	4075	4626	3751	5413	93000
GILLIAM	96	139	114	61	45	106	143	134	151	136	114	88	95	114	95	105	79	141	1850
GRANT	566	670	609	389	238	627	588	579	616	683	525	488	411	398	373	377	337	503	8350
HARNEY	496	595	637	394	231	625	504	522	600	580	469	438	376	318	318	297	238	387	7400
HOOD RIVER	1294	1379	1185	685	473	1158	1080	1236	1388	1360	1135	829	744	770	704	658	613	967	16500
JACKSON	10094	10261	9811	6391	3979	10370	9929	11344	11320	11986	10103	7828	6346	5786	6039	7176	5848	9159	143400
JEFFERSON	1322	1182	997	578	343	921	891	834	833	8[illegible]	673	542	517	438	438	505	446	552	11900
JOSEPHINE	3738	4138	4082	2596	1852	4448	4678	4387	4343	5020	4460	3583	2928	2790	3044	3997	3351	5013	64000
KLAMATH	3905	4249	4085	2718	1755	4473	4144	4732	4496	4791	3794	3037	2591	2503	2522	2627	2150	3201	57300
LAKE	480	526	535	304	237	541	527	499	593	583	451	417	378	374	371	321	299	405	7300
LANE	17879	19606	18297	11356	10028	21384	25895	27622	23916	19747	18626	14495	10845	10133	10320	11686	9119	14130	273700
LINCOLN	2429	2697	2257	1331	936	2267	2375	2689	3251	3385	2607	1916	1697	1774	2089	2237	2083	3047	38800
LINN	6044	6595	6469	4166	2631	6797	6453	6989	7345	7424	5940	4814	3754	3560	3561	4341	3405	5309	88800
MALHEUR	2065	2273	2111	1259	730	1989	1988	2107	1900	1821	1514	1188	1086	1154	1166	1236	1051	1751	26400
MARION	16540	17289	15240	8953	5878	14831	14723	18190	19418	18545	14740	11135	9124	8347	8516	10070	7987	14305	219000
MORROW	666	677	623	399	226	625	590	556	670	624	502	420	393	343	328	239	227	317	7800
MULTNOMAH	39078	39465	32097	18896	13272	32168	32859	48272	62685	59940	41961	28592	22743	23132	25738	23508	20401	37861	570500
POLK	3218	3443	3209	2049	1383	3432	3361	4365	4137	3934	3341	2534	2081	1972	1925	1632	1586	2930	47300
SHERMAN	110	163	146	83	58	141	157	131	153	155	120	93	82	93	130	87	115	124	2000
TILLAMOOK	1202	1535	1366	790	588	1378	1426	1397	1658	1789	1339	1072	915	980	1146	1251	1189	1757	21400
UMATILLA	4390	4979	4361	2559	1598	4157	3881	4491	4925	4654	3656	2883	2430	2351	2493	2504	2050	3395	57600
UNION	1638	1957	1859	1144	642	1786	1603	2019	1873	1808	1501	1220	961	850	858	975	865	1527	23300
WALLOWA	445	577	478	282	194	476	521	475	546	591	412	402	339	375	359	351	321	532	7200
WASCO	1366	1546	1532	933	592	1525	1432	1387	1498	1669	1349	1087	873	873	919	1079	900	1565	20600
WASHINGTON	23343	22367	20087	12786	8316	21102	19814	21873	27227	27911	24374	17534	13000	11108	10804	9052	6733	10671	287000
WHEELER	57	78	86	64	44	108	113	80	72	90	83	78	64	79	66	80	89	127	1350
YAMHILL	4924	5275	4682	2825	1568	4393	4159	5167	4739	4477	3871	2998	2351	2310	2240	2435	2159	3620	59800

TABLE 10-5. PRELIMINARY ESTIMATES OF FIVE-YEAR-AGE GROUPS BY SEX, OREGON AND ITS COUNTIES, JULY 1, 1988 (CONTINUED)

	FEMALE 0-4	FEMALE 5-9	FEMALE 10-14	FEMALE 15-17	FEMALE 18-19	FEMALE 15-19	FEMALE 20-24	FEMALE 25-29	FEMALE 30-34	FEMALE 35-39	FEMALE 40-44	FEMALE 45-49	FEMALE 50-54	FEMALE 55-59	FEMALE 60-64	FEMALE 65-69	FEMALE 70-74	FEMALE 75+	FEMALE All Ages
STATE	94358	99623	90076	56450	39854	96304	97636	111876	121437	119102	97582	73896	59047	57567	60746	64445	54037	99795	1397527
BAKER	456	538	456	324	205	529	525	483	498	570	481	417	364	346	362	431	407	[illegible]	7666
BENTON	2148	2182	2016	1265	2529	3794	5295	3347	2552	2179	2076	1674	1250	1198	1109	1174	855	1724	34573
CLACKAMAS	9010	9681	9685	6674	4047	10721	9906	9067	9460	11656	10943	8440	6269	5760	5745	5374	4078	7464	133259
CLATSOP	1080	1199	1092	647	441	1088	1106	1524	1461	1415	1075	867	675	712	807	835	840	1509	17285
COLUMBIA	1265	1517	1542	970	591	1561	1383	1280	1297	1470	1392	1003	770	788	768	757	661	1157	18611
COOS	1770	2079	2073	1259	789	2048	1955	2162	2363	2309	1847	1595	1397	1350	1372	1694	1425	2425	29864
CROOK	455	523	501	307	198	505	437	484	462	530	438	347	295	313	282	410	315	499	6796
CURRY	458	570	484	297	222	519	674	551	649	690	573	474	458	412	559	793	638	918	9420
DESCHUTES	2447	2626	2371	1580	968	2548	2188	2482	2968	3145	2513	1925	1433	1263	1373	1939	1414	2084	34719
DOUGLAS	3050	3490	3407	2194	1290	3484	3315	3417	3671	3671	3080	2498	2135	2136	2087	2443	1979	3180	47043
GILLIAM	47	63	61	29	21	50	77	60	72	65	56	50	43	64	50	55	41	78	932
GRANT	277	330	293	205	118	323	268	303	315	324	252	243	207	198	189	209	166	293	4190
HARNEY	243	286	288	198	113	311	248	249	309	282	234	201	174	164	151	157	117	225	3639
HOOD RIVER	634	685	590	311	238	549	518	577	653	624	554	403	365	419	351	353	321	579	8175
JACKSON	4946	5097	4768	3120	1961	5081	4800	5696	5723	5949	5094	3896	3159	2984	3184	3797	3143	5501	72818
JEFFERSON	648	581	471	278	176	454	420	390	404	403	355	267	267	217	234	251	238	307	5907
JOSEPHINE	1832	2018	1936	1247	864	2111	2323	2240	2278	2605	2271	1847	1472	1489	1649	2170	1846	3004	33091
KLAMATH	1913	2067	1932	1288	851	2139	2062	2202	2230	2397	1865	1495	1318	1289	1293	1378	1158	1864	28602
LAKE	235	257	264	164	119	283	241	250	301	271	223	203	195	205	176	160	140	240	3644
LANE	8761	9607	8814	5510	5165	10675	12989	13879	11858	9683	9231	7229	5484	5230	5514	6378	5085	8761	139178
LINCOLN	1190	1334	1094	667	474	1141	1167	1290	1679	1691	1279	938	838	975	1152	1234	1153	1784	19939
LINN	2962	3219	3175	2030	1257	3287	3194	3501	3802	3646	2952	2438	1909	1833	1907	2334	1899	3210	45268
MALHEUR	1012	1111	1009	639	349	988	981	1025	953	935	779	611	554	618	627	646	552	1038	13439
MARION	8105	8440	7491	4349	2868	7217	7118	8905	9485	9144	7209	5600	4564	4423	4606	5563	4587	9128	111585
MORROW	326	330	289	187	116	303	290	256	330	302	243	214	186	178	163	122	116	181	3829
MULTNOMAH	19148	19289	15577	9284	6525	15809	16292	25091	31840	29373	20417	14191	11686	12121	13884	13107	11880	25402	295107
POLK	1577	1675	1513	990	654	1644	1650	2380	2134	1995	1709	1253	1079	1029	1039	983	889	1859	24408
SHERMAN	54	88	64	38	33	71	85	59	69	74	61	42	43	52	65	43	60	72	1002
TILLAMOOK	589	762	657	377	288	665	701	680	842	850	650	550	456	521	590	703	648	1018	10882
UMATILLA	2151	2430	2140	1327	821	2148	1921	2225	2488	2266	1779	1440	1228	1198	1319	1358	1109	2068	29268
UNION	803	943	890	559	300	859	770	1045	941	923	736	608	493	419	450	543	460	924	11807
WALLOWA	218	278	235	148	95	243	240	226	272	283	205	202	168	193	200	180	178	314	3635
WASCO	669	743	719	433	287	720	716	711	771	830	682	527	436	477	497	566	504	958	10526
WASHINGTON	11438	10944	9825	6195	4074	10269	9687	11180	13875	14235	12336	8712	6434	5758	5740	4939	3879	6903	146154
WHEELER	28	41	44	28	24	52	50	34	38	47	42	39	37	42	31	41	44	70	680
YAMHILL	2413	2600	2310	1332	783	2115	2044	2625	2394	2270	1950	1457	1206	1193	1221	1325	1212	2251	30586

Prepared by the Center for Population Research and Census, Portland State University, August 1988.

State: 15-44, 643,937

TECHNICAL NOTES

Technical Notes

DEFINITIONS

BIRTHS.

Apgar score is a numerical expression of the condition of a newborn shortly after birth. It is the sum of points accumulated upon assessment of the heart rate, respiratory effort, muscle tone, reflex irritability, and color. The highest possible score is ten. A low Apgar score (seven or less) measured five minutes after birth indicates the infant is at increased risk of morbidity and mortality.

Births to unwed mothers ratio is the number of births to unwed mothers per 1,000 live births.

Crude birth rate is the number of live births per 1,000 total population.

Live birth is the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of pregnancy, which, after such a separation, breathes or shows any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached; each product of such a birth is considered live born.[1]

Low birthweight infant is a live born infant with a birthweight less than 5 1/2 pounds (2,500 grams) as reported on the birth certificate.

DEATHS.

Crude death rate is the number of deaths per 1,000 total population.

Fetal death is death prior to the complete expulsion or extraction from its mother of a product of conception of at least 20 weeks gestation, except where such expulsion results from a therapeutic abortion; the death is indicated by the fact that after such separation, the fetus does not breathe or show any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Infant death is the death of a child prior to the first birthday.

Infant death rate is the number of infant deaths per 1,000 live births.

Maternal death rate is the number of female deaths attributed to childbirth or to complications of pregnancy or the puerperium, per 100,000 live births.

Neonatal death is the death of a child within the first 27 days of life.

Neonatal death rate is the number of neonatal deaths per 1,000 live births.

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[1] *Vital Statistics of the United States*, 1982, vol. 1, section 4, page 1. U.S. Department of Health and Human Services, Public Health Service, National Center for Health Statistics, Maryland, 1986.

Perinatal death is the death of a fetus after 20 weeks gestation or the death of a live-born infant prior to the 28th day of life. Other medical literature may include different time periods.

Perinatal death rate is the number of perinatal deaths per 1,000 total of fetal deaths plus live births.

INDUCED TERMINATIONS OF PREGNANCY.

Dilation and Evacuation—similar to suction curettage but the placenta and fetal parts are removed with a sponge forceps, or some other specially designed instrument, following dilation of the cervix.

Hysterectomy—The uterus is removed either with the fetus inside or after the fetus is removed. It is usually performed only when a pathological condition of the uterus, such as fibroid tumors, warrants its removal or when a woman desires sterilization.

Hysterotomy—A surgical entry into the uterus, as in a caesarean section, which removes a fetus that is too small to survive even with extraordinary life support measures. It is usually performed only if other abortion procedures fail. Included under "Other."

Intra-Uterine Saline Installation—The withdrawal of a portion of the amniotic fluid from the uterine cavity by a needle inserted through the abdominal wall and the replacement of this fluid with a concentrated salt solution. This process induces labor, which results in the expulsion of the usually dead fetus approximately 24 to 48 hours later. (Note: Saline abortion is also known as intra-amniotic saline installation or saline amniotic fluid exchange.)

"Other" Procedures—This category includes procedures using a combination of agents, such as urea and prostaglandin, prostaglandin and oxytocin, or prostaglandin and saline.

Prostaglandin Instillation—The injection of a prostaglandin, a substance with hormone-like activity, into the uterine cavity through a needle inserted through the abdominal wall. The interval between injection and expulsion of the fetus, tends to be shorter than in a saline solution. (Note: Prostaglandin is also known as intra-amniotic prostaglandin instillation.)

Sharp Curettage—The dilation of the cervix as in suction, although usually to a larger diameter. The fetal and placental tissues are then scraped with a curette, which resembles a small spoon. (Note: This procedure is also known as surgical D & C.)

Suction Curettage—The cervical canal is dilated by the successive insertion of instruments of increasing diameter called dilators. When the opening is large enough, a flexible tube (cannula) is inserted into the uterine cavity and the fetal and placental tissues are then suctioned out by an electric vacuum pump. (Note: Suction D & C is also known as vacuum aspiration.) Sometimes the category dilation and evacuation is included here.

Vaginal Suppository Prostaglandin—The use of prostaglandin medication in a suppository form to induce uterine contractions.

MEDICAL PERSONNEL.

C.N.M. denotes Certified Nurse Midwife.

D.C. denotes Doctor of Chiropractic Medicine. Chiropractic is a system of therapeutics based upon the claim that disease is caused by abnormal function of the nerve system. It attempts to restore normal function of the nerve system by manipulation and treatment of the structures of the human body, especially those of the spinal column.

D.O. denotes Doctor of Osteopathic Medicine. Osteopathy is a system of therapy founded by Andrew Taylor Still (1828-1917) and based on the theory that the body is capable of making its own remedies against disease and other toxic conditions when it is in normal structural relationship and has favorable environmental conditions and adequate nutrition. It utilizes generally accepted physical, medicinal, and surgical methods of diagnosis and therapy, while placing chief emphasis on the importance of normal body mechanics and manipulative methods of detecting and correcting faulty structure.[2]

M.D. denotes Medical Doctor.

N.D. denotes Naturopathic Doctor. Naturopathy is a system of therapy without using drugs and utilizing physical forces such as air, light, water, heat, massage, etc.

R.N. denotes Registered Nurse.

METHODOLOGY

Adolescent Suicide Methodology. Data in the adolescent suicide attempt section were compiled from teen suicide attempt reports and death certificates filed with the Oregon Health Division's Center for Health Statistics. Attempt rates are age-specific and are expressed per 100,000 population per year. The Center for Population Research and Census was the source of the population data. References to teenagers include persons 10 to 19 years old. References to adolescents and minors include only Oregonians 17 or younger. Methods of attempts are classified according to the International Classification of Diseases (ICD). The name of the attempter is not recorded.

Adolescent suicide rates are calculated for a ten-year period, 1979-1988. Because relatively small numbers of adolescent suicides occur in any given year, aggregating ten years of data permits more accurate and detailed description of the deaths. Death rates and percentage of attempts resulting in death are annualized. To assess the risk of temporal bias, the characteristics of suicides occurring during the first five years were compared to the second five years. No statistically significant differences were found in: age, sex, or race of the decedent, nor in the method used.

A small percentage of the attempt reports lack data on the age, sex, or race of the attempter. When attempt rates or demographic descriptors are calculated, attempts with unknown variables (e.g., age of attempter) are assigned to categories proportional to their distribution of known values. This also is done when calculating the percentage of attempts that result in death. The percentage of attempts resulting in death should be considered the maximum that occurred since all deaths are reported but only attempts requiring treatment at a hospital are required to be reported. For the same reason, the attempt rates described here should be considered the minimum actually occurring.

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[2] Definition from *Dorland's Illustrated Medical Dictionary*. W.B. Saunders Co. Philadelphia. 1965.

Several other problems are apparent with the data. The first is that the total number of attempts reported is low. Because Oregon is the only state to require that adolescent suicide attempts be reported, when Oregon adolescents attempt suicide in another state, the event is not reported. More significantly, although required by law, the data suggests that not all hospitals are fully cooperating with the program. Thirdly, it is uncertain whether reporting hospitals are using the same criteria in determining whether the patient attempted suicide. Finally, some data items are poorly reported; the "not stated" category is as high as 31.6 percent for some variables.

Induced Terminations of Pregnancy Methodology. Except for incomplete reporting by providers, the data represent *all* abortions performed in Oregon during 1988. That is, the data constitute events associated with the place of occurrence rather than the "residence data" used in estimating births. This is necessary because most abortions obtained out-of-state by Oregon residents are not reported to Oregon's Center for Health Statistics. It reflects the great variation in abortion reporting procedures among states (e.g., some states do not record the patient's residence) as well as the fact that a comprehensive data collection network among all states, similar to that used in reporting births, does not exist in regard to abortions.

In using "occurrence" data rather than "residence" data to estimate abortion rates for Oregon residents, an implicit assumption is made that the number of Oregon residents who leave the state to obtain an abortion equals the number of out-of-state residents who obtain an abortion in Oregon. In formulating generalizations which involve trends or long-term behavioral patterns, annual totals are treated as sample values generated by ongoing social, economic, or political processes and thus subject to "chance" variability. For most purposes, numbers offered in this report should be viewed only as careful approximations and interpreted only within the framework of statistical safeguards developed to take sampling variability into account.

Some rates in this report are based on relative *few events* and for most comparisons may be used only with extreme caution—due to the chance fluctuations associated with small numbers. A small percentage of abortion reports lack certain data items. This may greatly affect the estimation of rates. To minimize the potential bias inherent in such estimates, unknown events are assigned to the categories of analysis proportional to the distribution of known events. In this way, rates calculated for subsets (e.g., "abortions per thousand black females") are, on average, less affected by incomplete data.

Teen Pregnancy Methodology. Pregnancy estimates are based upon the estimated number of teen births and induced terminations among Oregon teens; they do not include the number of fetal deaths or miscarriages (spontaneous abortions) which occur. The estimation of teen births is considered to be relatively complete and includes births to resident teens even when it occurred out-of-state. The estimation of teen abortions is based on all reported abortions to teen age residents of Oregon; however, because states often do not report abortions obtained within their borders to the state of residence as occurs with vital events such as birth and death, an unknown number of Oregon teens obtain abortion services out-of-state. As a consequence, estimates of teen abortions and teen pregnancies should be considered minimal in nature.

Furthermore, because estimates of abortion for teens are based on "residence data," figures given in Tables 9-5 and 9-7 do not correspond exactly to those in Tables 8-5 and 8-6, which are based on "occurrence data." (See Induced Termination of Pregnancy Methodology section above.)

The estimation of rates requires an estimate of the size of the appropriate population. Such estimates are now available for 15- to 17-year-olds and 18- to 19-year-olds for each county on an annual basis. Because estimated rates based on a small population may vary greatly due to chance factors, rate of teen pregnancy, birth, and abortion were calculated for these age groups only if there were 100 or more female residents in the county.

Similarly, rates for 15- to 19-year-olds were calculated whenever a county had 200 or more female residents in this age group.

Great caution must be taken in the use of pregnancy statistics associated with females under 15 years of age. This is due to the fact that relatively few events are recorded each year for this group. Also, rates are based on the estimated population cohort of 10- to 14-year-old females—many of which are physiologically not yet at risk of pregnancy. Thus, any *direct* comparison of rates between this group and another age group—e.g., 15- to 17-year-olds would be inappropriate.

STEP-BY-STEP INSTRUCTIONS

Data users are diverse, including public-health officials evaluating a program by using death data, demographers projecting school enrollments with birth data, and business people deciding to open a formal-wear shop based on marriage data. Many of these users have a thorough knowledge of statistics. But others find the entire subject-matter confusing and intimidating. For either group, a misunderstanding of what vital statistics mean can lead to wrong conclusions. Therefore, this section is included to provide an overview of how to use vital statistics. It is addressed to the person looking at vital events for the first time, but the experienced user may also find a review helpful.

STEP 1: FINDING THE CORRECT NUMBER

The first step is to determine how many of a particular vital event took place during the year. This involves asking two questions:

Which event or events are appropriate?

- DEATHS
- INFANT DEATHS
- NEONATAL DEATHS
- POST-NEONATAL DEATHS
- FETAL DEATHS
- LOW BIRTH WEIGHT INFANTS
- PREGNANCIES
- INDUCED ABORTIONS
- MARRIAGES
- ANNULMENTS
- DIVORCES

This may not be as simple as it sounds. For one thing, examining more than one type of event may be required. For example, a researcher who is concerned with teenage pregnancies will have to consider abortions and fetal deaths, not simply the number of births.

Deciding which events to use is important since sometimes the choice of one event over another can lead to vastly different conclusions. Consider the researcher who asks, "Have we substantially reduced the likelihood of death for babies?" If the researcher looks at neonatal deaths (babies who die before they are 28 days old), the answer is yes, while for post-neonatal deaths (those between 28 days and one year), the answer is no.

To determine which events are appropriate, read the definitions section of "How to Use Vital Statistics." The narratives also contain useful examples.

Who should be counted?

If you are a hospital planner who is deciding to expand or contract delivery services, you want to count the number of births which occurred in your area, regardless of where the parents live. If you are projecting school enrollment, you want to count only how many children will potentially be residing in your area. Fortunately, vital events are usually reported so that both of these data needs can be met.

OCCURRENCE DATA	The event (the death, birth, marriage, etc.) actually took place in the geographic region indicated (either Oregon or a particular county). The person participating in the event may have lived in Podunk, New York.
RESIDENCE DATA	The person involved in the event lived in the geographic region mentioned, but the event itself may have taken place anywhere in the United States or Canada. In other words, a resident of Marion county who died in an accident while on vacation in Michigan has been added to the Marion county resident death figure.

When in doubt about which type of data to use, resident figures are usually the best choice. Most birth and death data are published by residence, which means that comparisons with other states or the United States as a whole will be easier. Exceptions to this rule are listed in the individual sections.

Once the right event has been determined, and the choice between occurrence and residence data has been made, the statistician can find the correct figures in the table(s) in this book. If the needed table is not listed, contact the Center for Health Statistics for more information.

STEP 2: MAKING THE NUMBER MEANINGFUL WITH RATES AND RATIOS

In many instances simply knowing the number of events is not sufficient. A. Bradford Hill expressed this important statistical concept:

"It is well recognized that white sheep eat more than black sheep -- because there are more of them."

[4]

For example, we know more people died in Multnomah County than in Wheeler County, because Multnomah County has a much larger population. But what is the likelihood of dying in each county?

In order to answer this question, statisticians calculate rates. This means that the number of events which occurred is compared to the population for which that event could have occurred, and the figure is then standardized to some number (such as 1,000 or 100,000) for convenience.

Here is an example:

$$\text{CRUDE DEATH RATE} = \frac{\text{DEATHS}}{\underbrace{\text{POPULATION}}_{\text{the number of people who could have died}}} \times \underbrace{1{,}000}_{\text{a number picked by vital statisticians to eliminate decimal points}}$$

The more specifically a statistician can define the "population at risk" (the denominator or bottom part of the formula), the more meaningful the rate is. For example, the crude birth rate, which compares the number of births to the population, is not nearly as informative as the fertility rate, which uses only the number of women of childbearing age (15-44) for comparative purposes. The fertility rate is not distorted by changes in the number of men or pre-pubescent or post-menopausal women in the population. (The turn of the century notion that only married women between the age of 15 and 44 would be considered at risk of pregnancy has been abandoned for obvious reasons.)

Unfortunately we do not always have the correct denominator for the equation. In these situations a substitute is used. For example, how many people are at risk of getting divorced? The number of married people is only available for census years. As a substitute, the crude divorce rate is calculated using the total population regardless of marital status. In other situations, the event is simply compared to another related number. For instance, the abortion ratio compares the number of abortions to the number of births. This is easier and more accurate than trying to determine the true denominator, which is the total number of pregnant women.

When calculating rates and ratios, great care must be taken to make certain that the appropriate time periods, geographical boundaries, and populations are used.

STEP 3: COMPARING TWO OR MORE NUMBERS

Numbers are more meaningful when they are converted into rates and ratios. But problems can arise when rates or ratios are compared for different geographical areas, different time periods, or different categories such as men versus women.

Chance variation

Statisticians expect a certain amount of chance variation and have methods to take this into account. The confidence interval uses the number of cases and their distributions to determine what the rate "really is." For example, a statistician will say, "We are 95% sure that the true infant death rate for Oregon in 1986 was 9.47 ± 0.97, that is, it lies somewhere between 8.50 and 10.44." If two rates have overlapping confidence intervals, then the difference between them may be due to this chance variation. In other words the difference is not statistically significant. Thus Multnomah County's infant death rate, 8.81 ± 1.97, is shown not to be statistically different from the state rate:

```
                            --------               8.81 ± 1.97
  MULTNOMAH                    *
                .1.........6...8.8...11...............20

                                -----              9.47 ± 0.97
    STATE                          *
                .1............8..9.5................20
```

When comparing rates and ratios, differences should be tested for statistical significance. Formulas are listed in the appendix.

Small numbers

Chance variation is a common problem when the numbers being used to calculate rates are extremely small. Large swings often occur in the rates which do not reflect real changes. Consider Wasco county's infant mortality rates for a five year period.

WASCO COUNTY

YEAR	BIRTHS	INFANT DEATHS	INFANT DEATH RATES
1981	308	0	-
1982	345	3	8.7
1983	341	4	11.7
1984	350	5	14.3
1985	291	2	6.9
1981-1985	1,635	14	8.6

The overall rate of 9.3 is quite close to the state rate for the same time period (10.6). Yet for some years the rate is half again or more as high as the rate of other years simply because two additional infants died. Public health officials would waste a good deal of energy reacting to these annual rates.

Many rates based on small numbers are published in this book because readers demand them. But anyone preparing to make important decisions based on these rates should be wary. Consider this rule of thumb: a rate based on 20 cases has a 95% confidence interval about as wide as itself (the interval for a rate of 50 is between 25 and 75). Even large differences between two rates based on 20 cases or less are probably not statistically significant.

If 20 is too few, how many cases are sufficient to say that a true difference exists? Unfortunately we have no easy rules for this. To be safe, the vital statistician should always try to combine several years of data or consolidate geographical areas. Confidence intervals should be calculated, and differences should be tested for statistical significance.

Changes in measurement

Another problem is that the numbers being compared have not always been based on the same type of measurement. Definitions, population estimates, certificates, and coding procedures change from time to time as the need arises. This can create "artificial" differences and can disguise "real" differences. The cause-of-death item provides an excellent example of changes in comparability:

During the late 1970's approximately 80 to 85 people died each year due to hypertensive disease.	RATE = 3.3 PER 100,000 POPULATION
In 1979, 250 people died from this cause.	RATE = 9.8 PER 100,000 POPULATION

It appears that the incidence of hypertensive disease increased. But actually, a new coding scheme resulted in more deaths being coded as due to hypertensive disease.

Taking age, sex, and race into account

Mr. G. C. Whipple noted in 1923 that, "We might find that the death rate of bank presidents was higher than that of newsboys; but this would not be because of different occupations, but because of different ages." We expect older people to die at a higher rate than younger people. We also expect people in their twenties to have more babies than the very young or the very old. Sex and race, as well as age, affect rates drastically.

When comparing two places or two points in time, it is necessary to take these influencing characteristics into account. Here is an example:

The crude death rate increased between 1950 and 1960 from 9.1 to 9.5 deaths per thousand. But an examination of the death rates for each age group indicates that these all decreased. This contradiction is explained by the fact that in 1960 a larger proportion of the population was concentrated in the older age groups where death rates are higher .

	1950	1960
CRUDE DEATH RATE	9.1	9.5
AGE SPECIFIC DEATH RATES		
0 - 4	5.9	5.7
5 - 14	0.6	0.4
15 - 24	1.5	1.1
25 - 44	2.4	2.1
45 - 64	11.1	10.6
65+	58.4	56.8

Before comparing two places or two time periods, always compare the population characteristics first. If discrepancies are noted in any relevant variables, then the rates should be adjusted or standardized in order to make the comparisons free of differences in the structure of the populations. The formulas for doing this are listed in the appendix.

STEP 4: ANALYZING THE DATA

The first three steps have been fairly mechanical:

(1) Choose the correct events and the correct group to determine the number of events which took place for the geographical areas and time periods.

(2) Calculate the rates.

(3) Compare these rates to determine if the differences are statistically significant.

NOW the vital statistician must begin to ask the difficult questions. If we find that two rates are statistically significantly different, how can we find out why they are different? If the differences which we expected did not prove to be significant, is there another item which perhaps is masking an actual difference? Frequently the statistician has to refine the research question and begin all over again.

HELP

Several sources of help are available. Many of the widely used rates and ratios are presented in the Quick Reference section, and narratives and figures are included throughout the book to illustrate changes. And finally, the staff of the Center for Health Statistics are available for data users who need assistance.

FORMULAS

GENERAL

$$\text{PERCENT CHANGE} = \frac{\text{Old Data} - \text{New Data}}{\text{Old Data}} \times 100$$

Birth rate, Oregon, 1984 = 14.9
Birth rate, Oregon, 1985 = 14.7

$$\text{Percent change} = \frac{14.9 - 14.7}{14.9} \times 100 = -1.3\%$$

PREGNANCY

1. (CRUDE) BIRTH RATE

$$\text{(CRUDE) BIRTH RATE} = \frac{\text{Resident Births}}{\text{Population}} \times 1{,}000$$

$$\text{Oregon, 1985} = \frac{39{,}419}{2{,}675{,}800} \times 1{,}000 = 14.7$$

2. AGE SPECIFIC BIRTH RATE

$$\text{AGE SPECIFIC BIRTH RATE} = \frac{\text{Resident Births to Mothers in Age Category}}{\text{Female population in Age Category}} \times 1{,}000$$

$$\text{Oregon, 1985, Age 20-24} = \frac{11{,}815}{106{,}737} \times 1{,}000 = 110.7$$

3. FERTILITY RATE

$$\text{FERTILITY RATE} = \frac{\text{Resident Births to Mothers Aged 15-44}}{\text{Female population Aged 15-44}} \times 1{,}000$$

Note: Some publications use the following: $\frac{\text{All resident births}}{\text{Female population Aged 15-44}}$

$$\text{Oregon, 1985} = \frac{39{,}364}{632{,}737} \times 1{,}000 = 62.21$$

4. TOTAL FERTILITY RATE = Age-specific Birth Rates in 5 year Categories between 15 and 44

$$\text{Oregon, 1985} = 5\,(42.8 + 111.2 + 110.8 + 65.6 + 21.2 + 3.4) = 1{,}775.0$$

5. FETAL DEATH RATE $= \dfrac{\text{Resident Fetal Deaths of 20 or More Weeks Gestation}}{\text{Resident Births}} \times 1{,}000$

Note: Publications vary in the gestation cutoff for fetal deaths. The following formula is sometimes used.

$$\frac{\text{Resident Fetal Deaths}}{\text{Resident Births + Resident Fetal Deaths}} \times 1{,}000$$

Oregon, 1985, Residents $= \dfrac{237}{39{,}419} \times 1{,}000 = 6.0$

---

6. ABORTION RATIO $= \dfrac{\text{Resident Abortions}}{\text{Resident Births}} \times 1{,}000$ OR $\dfrac{\text{Occurrence Abortions}}{\text{Occurrence Births}} \times 1{,}000$

Oregon, 1985, Occurrence $= \dfrac{12{,}056}{40{,}778} \times 1{,}000 = 295.6$

---

7. ABORTION RATE $= \dfrac{\text{Resident Abortions or Occurrence Abortions}}{\text{Female Resident Population Aged 15-44}} \times 1{,}000$

Oregon, 1985, Occurrence with total adjusted for not stated ages. $= \dfrac{11{,}933}{632{,}737} \times 1{,}000 = 18.9$

DEATHS

---

8. (CRUDE) DEATH RATE $= \dfrac{\text{Resident Deaths}}{\text{Population}} \times 1{,}000$

Oregon, 1985 $= \dfrac{23{,}824}{2{,}675{,}800} \times 1{,}000 = 8.9$

---

9. INFANT DEATH RATE $= \dfrac{\text{Resident Infant Deaths}}{\text{Resident Births}} \times 1{,}000$

Oregon, 1985 $= \dfrac{387}{39{,}419} \times 1{,}000 = 9.8$

---

10. NEONATAL DEATH RATE $= \dfrac{\text{Resident Neonatal Deaths}}{\text{Resident Births}} \times 1{,}000$

Oregon, 1985 $= \dfrac{211}{39{,}419} \times 1{,}000 = 5.4$

11. POST-NEONATAL DEATH RATE

$$\text{POST-NEONATAL DEATH RATE} = \frac{\text{Resident Post-Neonatal Deaths}}{\text{Resident Births}} \times 1{,}000$$

$$\text{Oregon, 1985} = \frac{176}{39{,}419} \times 1{,}000 = 4.5$$

12. CAUSE-SPECIFIC DEATH RATE

$$\text{CAUSE-SPECIFIC DEATH RATE} = \frac{\text{Resident Deaths Due to Specific Cause}}{\text{Population}} \times 100{,}000$$

$$\text{Oregon, 1985, Heart Disease} = \frac{8{,}192}{2{,}675{,}800} \times 100{,}000 = 306.2$$

13. AGE-SEX SPECIFIC DEATH RATE

$$\text{AGE-SEX SPECIFIC DEATH RATE} = \frac{\text{Resident Deaths in Age-Sex Category}}{\text{Population in Age-Sex Category}} \times 100{,}000$$

$$\text{Oregon, 1985, Males Aged 5-14} = \frac{54}{194{,}963} \times 100{,}000 = 27.7$$

MARRIAGE AND DIVORCE

14. MARRIAGE RATE

$$\text{MARRIAGE RATE} = \frac{\text{Marriages}}{\text{Population}} \times 1{,}000$$

$$\text{Oregon, 1985} = \frac{22{,}408}{2{,}675{,}800} \times 1{,}000 = 8.4$$

15. AGE-SPECIFIC MARRIAGE RATE

$$\text{AGE-SPECIFIC MARRIAGE RATE} = \frac{\text{Marriages of Grooms in Specific Age Group}}{\text{Population of Males in Specific Age Group}} \times 1{,}000$$

$$\text{Oregon, 1985, Grooms Aged 20-24} = \frac{6{,}493}{106{,}228} \times 1{,}000 = 61.1$$

$$\frac{\text{Marriages of Brides in Specific Age Group}}{\text{Population of Females in Specific Age Group}} \times 1{,}000$$

$$\text{Oregon, 1985, Brides Aged 20-24} = \frac{7{,}416}{111{,}398} \times 1{,}000 = 66.6$$

16. DIVORCE RATE

$$\text{DIVORCE RATE} = \frac{\text{Divorces}}{\text{Population}} \times 1{,}000$$

$$\text{Oregon, 1985} = \frac{15{,}736}{2{,}675{,}800} \times 1{,}000 = 5.9$$

CALCULATING CONFIDENCE INTERVALS FOR RATES

To determine the confidence interval for a rate, two numbers are needed : (1) the numerator (the number of events) and (2) the denominator. If the rate is an infant, neonatal, or post-nenatal mortality rate or a rate for a characteristic of births, the denominator is the number of births. Otherwise the denominator is a population figure. Use this formula:

$$\frac{1{,}000}{\text{denominator}}\left(\text{events} \pm 1.96\sqrt{\text{events}^*}\,\right) = \text{rate} \pm \text{confidence interval}$$

*NOTE: If comparing rates in which there are more than 100 events (for example deaths for ages over 65)

then $1.96\sqrt{\text{events}}$ should be replaced with: $1.96\sqrt{\text{events}\ \left(1-\left(\frac{\text{events}}{\text{denominator}}\right)\right)}$

Example: What is the confidence interval for Benton County's low birth weight infant rate for 1985?

In 1985, Benton County had 27 out of 892 babies that were born weighing less than 2,500 grams.

$$\text{Benton Confidence Interval} = \frac{1{,}000}{892}\left(27 \pm 1.96\sqrt{27}\right)$$

$$= 1.121\ (27 \pm 10.18)$$

$$= 30.27 \pm 11.41$$

We are 95 percent sure that the low-birth weight rate for Benton County is between 18.86 and 41.68.

DETERMINING STATISTICAL SIGNIFICANCE FOR RATES

To determine if the difference between two rates is significant use the confidence intervals for the rates in this formula:

$$\text{Difference between the two rates} \pm \sqrt{\text{1st Confidence Interval}^2 + \text{2nd Confidence Interval}^2}$$

If the interval obtained from this calculation does not include 0 then the difference is statistically significant at the 95 percent level.

Example: Is the difference between Benton County's low birth weight rate and the State rate statistically significant?

Based on the formula for confidence intervals:

Oregon low-birth weight rate is 50.50 ± 2.20
Benton low-birth weight rate is 30.27 ∓ 11.41

Using the formula for determining statistical significance:

$$(50.50 - 30.27) \pm \sqrt{2.20^2 + 11.41^2}$$

$$20.23 \pm \sqrt{4.84 + 130.19}$$

$$20.23 \pm \sqrt{135.03}$$

$$20.23 \pm 11.62$$

The interval is between 8.61 and 31.85. Since zero does not fall between these two numbers, the difference between the low-birth weight rates for Benton County and Oregon is statistically significant.

CALCULATING RATES ADJUSTED FOR SEX/AGE/RACE

When comparing rates and ratios, the influences of sex, age, and race differences in the populations must be taken into account. Comparing many different age-sex-race specific rates can be cumbersome. The following techniques are used by vital statisticians to summarize these rates into one number.

The direct adjusted rate applies each of the specific rates for a particular population (such as a county or an HSA) to a standard population distribution (such as the state).

The standard mortality ratio compares the number of deaths for a particular population (such as a county or an HSA) to the number of deaths which would be expected if some standard set of rates (such as the state or the U.S rates) had occurred.

Life expectancy assumes that a theoretical group of babies would experience each of the current specific death rates. The average life expectancy is the mean number of years lived by these babies.

Each of these techniques has its advantages and disadvantages. The easiest to calculate is the direct adjusted rate. The following example shows how to adjust a county's death rate for sex so that it may be compared to the state rate.

$$\frac{\frac{\text{county male deaths}}{\text{county male population}} \times \text{state male population} + \frac{\text{county female deaths}}{\text{county female population}} \times \text{state female population}}{\text{Total State Population}} \times 1{,}000$$

The same logic can be used to adjust for age and/or race.

REFERENCES

For further information about calculating confidence intervals and adjusting rates see:

National Center for Health Statistics: Infant Mortality, by J. C. Kleinman, Statistical Notes for Health Planners, No. 2. Health Resources Administration, Washington, D.C., July 1976.

National Center for Health Statistics: Mortality, by J. C. Kleinman, Statistical Notes for Health Planners, No. 3. Health Resources Administration, Washington, D.C., July 1977.

SYMBOLS USED IN THIS REPORT

QUANTITY IS ZERO IN FREQUENCY TABLES	-
RATE OR PERCENT IS LESS THAN OR EQUAL TO 0.05	0.0
DATA NOT AVAILABLE OR NOT APPLICABLE	---
INSUFFICIENT DATA FOR COMPUTATION	*

OTHER RECENT PUBLICATIONS

BLACK HEALTH: A REVIEW OF THE BIRTHS AND DEATHS OF BLACK OREGONIANS

OREGON VITAL STATISTICS COUNTY DATA, 1988

LEADING CAUSES OF MORTALITY 1978 - 1986

OREGON INFANT DEATHS, 1981 - 1985 BIRTH COHORT

PRENATAL CARE IN OREGON, A DESCRIPTIVE ANALYSIS 1977 - 1986

OREGON HEALTH TRENDS, Quarterly Newsletter
Featuring:
January 1989 - AIDS Deaths / Seat Belt Use
April 1989 - Popular Baby Names / Hypertension
July 1989 - Public Use Data / Alcohol Use and Risks
October 1989 - Alcohol, Tobacco, and Babies /
Diabetes Deaths / Firearm Deaths

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STATE OF OREGON INTEROFFICE MEMO

TO: Recipients of
Oregon Vital Statistics Report 1988

DATE: February 20, 1990

FROM: Joyce Grant-Worley

SUBJECT: Errata

Page 15, "Table 1-6. Deaths, infants deaths, neonatal deaths, fetal deaths, by county of residence, Oregon, 1988." Fetal death rate total for Oregon should be 5.9.

Page 85. "Table 4-4. The five principal causes of death by age groups, Oregon, 1988." For "UNDER 1 YEAR," the leading cause (SIDS) is missing. A correction was already sent out for this. If you are missing that correction, see below.

Page 126, "Table 4-21. Deaths by selected causes by county, Oregon residents, 1988." Columbia, Coos, Crook, Curry, Deschutes, Douglas, Gilliam, and Grant counties are missing. See accompanying sheet.

Page 210, "Table 8-7. Number of induced abortions by resident county and county of occurrence, Oregon, 1988." Under County of Occurrence, "Baker" should be "Benton."

Page 237. "Table 10-5. Preliminary estimates of five-year age groups by sex, Oregon and its counties, July 1, 1988." Male population data is missing. See reverse of this page.

ERRATUM: Replaces "UNDER 1 YEAR" section, Table 4-4, page 85.

UNDER 1 YEAR**	ALL CAUSES	339	100.0	916.7	781.5
	1. Sudden Infant Death Syndrome	99	29.2	303.9	190.2
	2. Congenital Anomalies	74	21.8	205.9	164.5
	3. Respiratory Distress Syndrome	29	8.6	93.1	51.4
	4. Immaturity	25	7.4	63.7	61.7
	5. Other Respiratory	19	5.6	39.2	56.6

ERRATA: Replaces page 237.

TABLE 10-5. PRELIMINARY ESTIMATES OF FIVE-YEAR-AGE GROUPS BY SEX, OREGON AND ITS COUNTIES, JULY 1, 1988 (CONTINUED)

	MALE 0-4	MALE 5-9	MALE 10-14	MALE 15-17	MALE 18-19	MALE 15-19	MALE 20-24	MALE 25-29	MALE 30-34	MALE 35-39	MALE 40-44	MALE 45-49	MALE 50-54	MALE 55-59	MALE 60-64	MALE 65-69	MALE 70-74	MALE 75+	MALE All Ages
STATE	98209	103999	95157	59261	41045	100306	102116	111083	118915	119769	98570	74365	58090	53296	53527	53905	42965	59201	1343473
BAKER	475	543	561	327	236	563	603	534	526	552	460	405	353	346	335	350	346	532	7484
BENTON	2235	2309	2127	1237	2707	3944	6532	3742	2681	2228	2134	1608	1259	1088	1020	977	728	915	35527
CLACKAMAS	9377	10128	10173	6997	4160	11157	10293	9671	9077	10658	10466	8574	6264	5592	5264	4609	3332	4306	128941
CLATSOP	1124	1299	1128	687	414	1101	1134	1521	1509	1582	1132	881	705	638	711	699	620	931	16715
COLUMBIA	1317	1477	1516	1014	645	1659	1431	1271	1242	1530	1343	1072	826	729	721	697	568	790	18189
COOS	1843	2212	2154	1383	836	2219	2112	2223	2165	2309	1881	1575	1336	1298	1259	1488	1247	1615	28936
CROOK	474	557	467	328	179	507	486	452	468	476	430	369	326	277	268	311	281	355	6504
CURRY	477	574	504	310	248	558	643	608	701	651	559	474	385	425	491	620	586	724	8980
DESCHUTES	2546	2750	2453	1667	969	2636	2370	2469	2731	3272	2567	1932	1490	1230	1190	1540	1269	1536	33981
DOUGLAS	3175	3707	3568	2253	1388	3641	3530	3594	3518	3466	3102	2420	2023	2037	1988	2183	1772	2233	45957
GILLIAM	49	76	53	32	24	56	66	74	79	71	58	38	52	50	45	50	38	63	918
GRANT	289	340	316	184	120	304	320	276	301	359	273	245	204	200	184	168	171	210	4160
HARNEY	253	309	349	196	118	314	256	273	291	298	235	237	202	154	167	140	121	162	3761
HOOD RIVER	660	694	595	374	235	609	562	659	735	736	581	426	379	351	353	305	292	388	8325
JACKSON	5148	5164	5043	3271	2018	5289	5129	5648	5597	6037	5009	3932	3187	2802	2855	3379	2705	3658	70582
JEFFERSON	674	601	526	300	167	467	471	444	429	406	318	275	250	221	204	254	208	245	5993
JOSEPHINE	1906	2120	2146	1349	988	2337	2355	2147	2065	2415	2189	1736	1456	1301	1395	1827	1505	2009	30909
KLAMATH	1992	2182	2153	1430	904	2334	2082	2530	2266	2394	1929	1542	1273	1214	1229	1249	992	1337	28698
LAKE	245	269	271	140	118	258	286	249	292	312	228	214	183	169	195	161	159	165	3656
LANE	9118	9999	9483	5846	4863	10709	12906	13743	12058	10064	9395	7266	5361	4903	4806	5308	4034	5369	134522
LINCOLN	1239	1363	1163	664	462	1126	1208	1399	1572	1694	1328	978	859	799	937	1003	930	1263	18861
LINN	3082	3376	3294	2136	1374	3510	3259	3488	3543	3778	2988	2376	1845	1727	1654	2007	1506	2099	43532
MALHEUR	1053	1162	1102	620	381	1001	1007	1082	947	886	735	577	532	536	539	590	499	713	12961
MARION	8435	8849	7749	4604	3010	7614	7605	9285	9933	9401	7531	5535	4560	3924	3910	4507	3400	5177	107415
MORROW	340	347	334	212	110	322	300	300	340	322	259	206	207	165	165	117	111	136	3971
MULTNOMAH	19930	20176	16520	9612	6747	16359	16567	23181	30845	30567	21544	14401	11057	11011	11854	10401	8521	12459	275393
POLK	1641	1768	1696	1059	729	1788	1711	1985	2003	1939	1632	1281	1002	943	886	849	697	1071	22892
SHERMAN	56	75	82	45	25	70	72	72	84	81	59	51	39	41	65	44	55	52	998
TILLAMOOK	613	773	709	413	300	713	725	717	816	939	689	522	459	459	556	548	541	739	10518
UMATILLA	2239	2549	2221	1232	777	2009	1960	2266	2437	2388	1877	1443	1202	1153	1174	1146	941	1327	28332
UNION	835	1014	969	585	342	927	833	974	932	885	765	612	468	431	408	432	405	603	11493
WALLOWA	227	299	243	134	99	233	281	249	274	308	207	200	171	182	159	171	143	218	3565
WASCO	697	803	813	500	305	805	716	676	727	839	667	560	437	396	422	513	396	607	10074
WASHINGTON	11905	11423	10262	6591	4242	10833	10127	10693	13352	13676	12038	8822	6566	5350	5064	4113	2854	3768	140846
WHEELER	29	37	42	36	20	56	63	46	34	43	41	39	27	37	35	39	45	57	670
YAMHILL	2511	2675	2372	1493	785	2278	2115	2542	2345	2207	1921	1541	1145	1117	1019	1110	947	1369	29214

Insert between pages 126 and 127.

TABLE 4-21. DEATHS BY SELECTED CAUSES BY COUNTY, OREGON RESIDENTS, 1988, CONTINUED

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	COLUMBIA		COOS		CROOK		CURRY	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	331	899.5	635	1079.9	153	1150.4	206	1119.6
TUBERCULOSIS (010-018, 137)	-	-	-	-	-	-	-	-
SEPTICEMIA (038)	4	10.9	-	-	-	-	-	-
AIDS (042-044)	-	-	1	1.7	-	-	-	-
MEASLES (055)	-	-	-	-	-	-	-	-
VIRAL HEPATITIS (070)	1	2.7	1	1.7	-	-	-	-
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139)	1	2.7	-	-	-	-	-	-
MALIGNANT NEOPLASMS (140-208)	82	222.8	159	270.4	35	263.2	57	309.8
BUCCAL CAVITY & PHARYNX (140-149)	6	16.3	3	5.1	-	-	2	10.9
DIGESTIVE ORGANS & PERITONEUM (150-159)	19	51.6	33	56.1	8	60.2	14	76.1
LARGE INTESTINE (153)	8	21.7	13	22.1	5	37.6	4	21.7
PANCREAS (157)	5	13.6	3	5.1	1	7.5	6	32.6
RESPIRATORY/INTRATHORACIC ORGANS (160-165)	28	76.1	54	91.8	14	105.3	19	103.3
BRONCHUS AND LUNG (162.2-162.9)	28	76.1	53	90.1	14	105.3	19	103.3
MALIGNANT MELANOMA (172)	1	2.7	4	6.8	2	15.0	-	-
OTHER SKIN (173)	2	5.4	-	-	-	-	-	-
BREAST (174-175)	5	13.6	9	15.3	1	7.5	4	21.7
GENITAL ORGANS (179-187)	8	21.7	16	27.2	3	22.6	4	21.7
CERVIX & UTERUS (179-182)	1	2.7	3	5.1	1	7.5	1	5.4
OVARY (183.0)	2	5.4	4	6.8	-	-	-	-
PROSTATE (185)	5	13.6	9	15.3	2	15.0	3	16.3
URINARY ORGANS (188-189)	1	2.7	5	8.5	-	-	2	10.9
LEUKEMIA (204-208)	2	5.4	8	13.6	2	15.0	3	16.3
BENIGN NEOPLASMS (210-229)	-	-	-	-	-	-	-	-
IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED NATURE NEOPLASMS (230-239)	-	-	-	-	-	-	-	-
DIABETES MELLITUS (250)	5	13.6	15	25.5	3	22.6	5	27.2
NUTRITIONAL DEFICIENCIES (260-269)	1	2.7	-	-	-	-	1	5.4
ANEMIAS (280-285)	-	-	2	3.4	-	-	1	5.4
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291, 303)	2	5.4	4	6.8	1	7.5	2	10.9
DRUG DEPENDENCE (304)	-	-	-	-	-	-	1	5.4
MENINGITIS (302-322)	-	-	-	-	-	-	-	-
ALZHEIMER'S DISEASE (331)	-	-	4	6.8	-	-	-	-
PARKINSON'S DISEASE (332)	2	5.4	6	10.2	1	7.5	1	5.4
EPILEPSY (345)	1	2.7	-	-	-	-	-	-
MAJOR CARDIOVASCULAR DISEASES (390-448)	137	372.3	254	432.0	71	533.8	96	521.7
DISEASES OF THE HEART (390-398, 402, 404-429)	99	269.0	184	312.9	47	353.4	75	407.6
RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE (390-398)	-	-	2	3.4	-	-	1	5.4
HYPERTENSIVE HEART DISEASE WITH OR WITHOUT RENAL DISEASE (402,404)	1	2.7	8	13.6	2	15.0	-	-
ISCHEMIC HEART DISEASE (410-414)	72	195.7	141	239.8	38	285.7	47	255.4
MYOCARDIAL INFARCTION (410)	28	76.1	56	95.2	12	90.2	27	146.7
OTHER ACUTE & SUBACUTE (411)	-	-	-	-	-	-	1	5.4
CHRONIC ISCHEMIC HEART DISEASE (412-414)	44	119.6	85	144.6	26	195.5	19	103.3
ALL OTHER FORMS (415-429)	26	70.7	33	56.1	7	52.6	27	146.7
HYPERTENSION (401, 403)	1	2.7	2	3.4	-	-	-	-
CEREBROVASCULAR DISEASE (430-438)	27	73.4	58	98.6	12	90.2	13	70.7
SUBARACHNOID HEMORRHAGE (430)	6	16.3	2	3.4	1	7.5	-	-
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432)	1	2.7	3	5.1	4	30.1	3	16.3
CEREBRAL THROMBOSIS & EMBOLISM (434)	2	5.4	13	22.1	1	7.5	2	10.9
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436)	16	43.5	34	57.8	5	37.6	4	21.7
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437)	1	2.7	2	3.4	-	-	2	10.9
ARTERIOSCLEROSIS (440)	4	10.9	7	11.9	8	60.2	7	38.0
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES (441-448)	6	16.3	3	5.1	4	30.1	1	5.4
VENOUS THROMBOSIS & EMBOLISM (451-453)	-	-	1	1.7	-	-	-	-
PNEUMONIA (480-486)	12	32.6	14	23.8	14	105.3	3	16.3
INFLUENZA (487)	-	-	4	6.8	-	-	-	-
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496)	14	38.0	46	78.2	10	75.2	7	38.0
GASTRIC, DUODENAL, OR PEPTIC ULCER (531-533)	2	5.4	2	3.4	-	-	1	5.4
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560)	1	2.7	2	3.4	1	7.5	-	-
CIRRHOSIS OF THE LIVER (571)	2	5.4	7	11.9	1	7.5	2	10.9
ALCOHOLIC CIRRHOSIS (571.0-571.3)	2	5.4	5	8.5	-	-	2	10.9
DISEASES OF THE GALLBLADDER (574-576)	-	-	1	1.7	-	-	3	16.3
NEPHRITIS & NEPHROSIS (580-589)	1	2.7	4	6.8	-	-	-	-
INFECTIONS OF THE KIDNEY (590)	-	-	-	-	-	-	-	-
DISEASES OF MALE GENITAL ORGANS (600-608)	-	-	-	-	-	-	-	-
DISEASES OF THE UTERUS AND OTHER FEMALE GENITAL ORGANS (614-629)	-	-	-	-	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH & THE PUERPERIUM (630-676)	-	-	-	-	-	-	-	-
CONGENITAL ANOMALIES (740-759)	2	5.4	4	6.8	-	-	1	5.4
CERTAIN CAUSES IN EARLY INFANCY (760-779)	2	5.4	4	6.8	-	-	1	5.4
SENILITY (797)	-	-	-	-	-	-	-	-
SUDDEN INFANT DEATH SYNDROME (798.0)	1	2.7	1	1.7	-	-	-	-
ALL OTHER NATURAL CAUSES	58	157.6	99	168.4	16	120.3	24	130.4
ACCIDENTS (800-949)	17	46.2	41	69.7	6	45.1	8	43.5
MOTOR VEHICLE ACCIDENTS (810-825)	3	8.2	22	37.4	5	37.6	5	27.2
SUICIDES (950-959)	6	16.3	9	15.3	1	7.5	2	10.9
HOMICIDES (960-978)	6	16.3	4	6.8	-	-	-	-
INJURIES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED (980-989)	1	2.7	-	-	1	7.5	-	-

NOTE: - INDICATES QUANTITY EQUALS ZERO.

TABLE 4-21. DEATHS BY SELECTED CAUSES BY COUNTY, OREGON RESIDENTS, 1988, CONTINUED

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	DESCHUTES		DOUGLAS		GILLIAM		GRANT	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	617	898.1	889	955.9	18	973.0	82	982.0
TUBERCULOSIS (010-018, 137)	-	-	1	1.1	-	-	-	-
SEPTICEMIA (038)	3	4.4	1	1.1	-	-	-	-
AIDS (042-044)	2	2.9	-	-	-	-	-	-
MEASLES (055)	-	-	-	-	-	-	-	-
VIRAL HEPATITIS (070)	1	1.5	3	3.2	-	-	-	-
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139)	3	4.4	3	3.2	-	-	1	12.0
MALIGNANT NEOPLASMS (140-208)	166	241.6	232	249.5	3	162.2	12	143.7
BUCCAL CAVITY & PHARYNX (140-149)	2	2.9	5	5.4	-	-	-	-
DIGESTIVE ORGANS & PERITONEUM (150-159)	33	48.0	53	57.0	1	54.1	1	12.0
LARGE INTESTINE (153)	11	16.0	25	26.9	1	54.1	-	-
PANCREAS (157)	7	10.2	13	14.0	-	-	1	12.0
RESPIRATORY/INTRATHORACIC ORGANS (160-165)	41	59.7	70	75.3	-	-	2	24.0
BRONCHUS AND LUNG (162.2-162.9)	38	55.3	68	73.1	-	-	2	24.0
MALIGNANT MELANOMA (172)	2	2.9	1	1.1	-	-	-	-
OTHER SKIN (173)	1	1.5	-	-	-	-	-	-
BREAST (174-175)	17	24.7	19	20.4	-	-	-	-
GENITAL ORGANS (179-187)	20	29.1	31	33.3	-	-	4	47.9
CERVIX & UTERUS (179-182)	2	2.9	4	4.3	-	-	-	-
OVARY (183.0)	7	10.2	8	8.6	-	-	2	24.0
PROSTATE (185)	10	14.6	18	19.4	-	-	2	24.0
URINARY ORGANS (188-189)	7	10.2	11	11.8	-	-	2	24.0
LEUKEMIA (204-208)	9	13.1	9	9.7	-	-	-	-
BENIGN NEOPLASMS (210-229)	-	-	3	3.2	-	-	-	-
IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED NATURE NEOPLASMS (230-239)	-	-	2	2.2	-	-	1	12.0
DIABETES MELLITUS (250)	12	17.5	14	15.1	-	-	1	12.0
NUTRITIONAL DEFICIENCIES (260-269)	1	1.5	3	3.2	-	-	-	-
ANEMIAS (280-285)	-	-	1	1.1	-	-	1	12.0
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291, 303)	1	1.5	2	2.2	-	-	1	12.0
DRUG DEPENDENCE (304)	-	-	-	-	-	-	-	-
MENINGITIS (302-322)	-	-	-	-	-	-	-	-
ALZHEIMER'S DISEASE (331)	5	7.3	3	3.2	-	-	-	-
PARKINSON'S DISEASE (332)	1	1.5	4	4.3	-	-	-	-
EPILEPSY (345)	2	2.9	1	1.1	-	-	-	-
MAJOR CARDIOVASCULAR DISEASES (390-448)	237	345.0	370	397.8	10	540.5	38	455.1
DISEASES OF THE HEART (390-398, 402, 404-429)	171	248.9	286	307.5	9	486.5	28	335.3
RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE (390-398)	1	1.5	2	2.2	-	-	1	12.0
HYPERTENSIVE HEART DISEASE WITH OR WITHOUT RENAL DISEASE (402,404)	3	4.4	5	5.4	1	54.1	-	-
ISCHEMIC HEART DISEASE (410-414)	127	184.9	227	244.1	5	270.3	19	227.5
MYOCARDIAL INFARCTION (410)	49	71.3	88	94.6	2	108.1	7	83.8
OTHER ACUTE & SUBACUTE (411)	-	-	-	-	-	-	-	-
CHRONIC ISCHEMIC HEART DISEASE (412-414)	78	113.5	139	149.5	3	162.2	12	143.7
ALL OTHER FORMS (415-429)	40	58.2	52	55.9	3	162.2	8	95.8
HYPERTENSION (401, 403)	3	4.4	4	4.3	-	-	-	-
CEREBROVASCULAR DISEASE (430-438)	48	69.9	60	64.5	-	-	10	119.8
SUBARACHNOID HEMORRHAGE (430)	1	1.5	5	5.4	-	-	3	35.9
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432)	2	2.9	6	6.5	-	-	-	-
CEREBRAL THROMBOSIS & EMBOLISM (434)	3	4.4	6	6.5	-	-	1	12.0
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436)	39	56.8	38	40.9	-	-	6	71.9
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437)	2	2.9	3	3.2	-	-	-	-
ARTERIOSCLEROSIS (440)	8	11.6	8	8.6	1	54.1	-	-
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES (441-448)	7	10.2	12	12.9	-	-	-	-
VENOUS THROMBOSIS & EMBOLISM (451-453)	2	2.9	-	-	-	-	-	-
PNEUMONIA (480-486)	18	26.2	26	28.0	1	54.1	1	12.0
INFLUENZA (487)	2	2.9	3	3.2	-	-	-	-
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496)	42	61.1	50	53.8	1	54.1	6	71.9
GASTRIC, DUODENAL, OR PEPTIC ULCER (531-533)	3	4.4	5	5.4	-	-	-	-
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560)	1	1.5	1	1.1	-	-	-	-
CIRRHOSIS OF THE LIVER (571)	7	10.2	12	12.9	-	-	3	35.9
ALCOHOLIC CIRRHOSIS (571.0-571.3)	5	7.3	10	10.8	-	-	3	35.9
DISEASES OF THE GALLBLADDER (574-576)	3	4.4	1	1.1	-	-	-	-
NEPHRITIS & NEPHROSIS (580-589)	2	2.9	3	3.2	-	-	-	-
INFECTIONS OF THE KIDNEY (590)	1	1.5	-	-	-	-	-	-
DISEASES OF MALE GENITAL ORGANS (600-608)	-	-	-	-	-	-	-	-
DISEASES OF THE UTERUS AND OTHER FEMALE GENITAL ORGANS (614-629)	-	-	-	-	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH & THE PUERPERIUM (630-676)	-	-	-	-	-	-	-	-
CONGENITAL ANOMALIES (740-759)	3	4.4	7	7.5	-	-	-	-
CERTAIN CAUSES IN EARLY INFANCY (760-779)	5	7.3	3	3.2	-	-	2	24.0
SENILITY (797)	-	-	-	-	-	-	-	-
SUDDEN INFANT DEATH SYNDROME (798.0)	1	1.5	2	2.2	-	-	1	12.0
ALL OTHER NATURAL CAUSES	93	135.4	131	140.9	3	162.2	14	167.7
ACCIDENTS (800-949)	35	50.9	50	53.8	1	54.1	7	83.8
MOTOR VEHICLE ACCIDENTS (810-825)	24	34.9	29	31.2	-	-	4	47.9
SUICIDES (950-959)	12	17.5	15	16.1	-	-	-	-
HOMICIDES (960-978)	4	5.8	6	6.5	-	-	-	-
INJURIES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED (980-989)	-	-	1	1.1	-	-	-	-

NOTE: - INDICATES QUANTITY EQUALS ZERO.